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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C  
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS), LEMOORE--ETC(U)  
JUL 78

F/G 4/2

UNCLASSIFIED

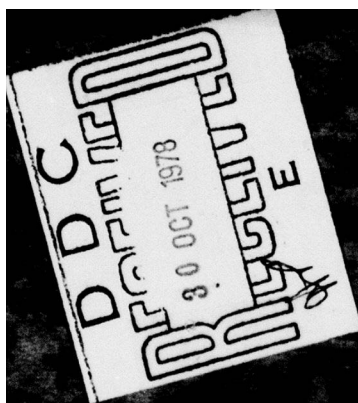
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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		

STATION NO. ON SUMMARY	STATION NAME	LONGITUDE	STATION ELEV. (FT.)	CALL SIGN	WMO NUMBER
23110	Lemoore, California	119°57'W	235	KNLC	74702

## STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF BARO. LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	Weather service office	Navy	1961	1966	36°20'N	119°57'W	238	Mercurial	24
2.	Replacement installed	"	1966	1976	"	"	238	"	24
1a.	Weather service office	"	1961		"	"	240	Aneroid	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	1961	500' west of midpoint, runway 32L/14R	AN/UMQ-5	RD-108	10'	1. Barograph (marine) 2. Auto met. station (AN/GMQ-29) 3. Cloud height set (AN/GMQ-13C) 4. Theodolite (ML 474) 5. Transmissometer (AN/GMQ-10C) 6. Weather vision (AN/GMQ-19V) 7. Wind measuring set (AN/PMQ-3C) 8. (3) ASCI II Character Generators (CT 64) 9. Telephone answer set (AC 2)

78 10 27 100

## SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

DIRNAVOCEANMET ltr 3146 Ser 1032 dated 26 August 1977 (NOTAL) established the following policy for SMOS production and updating:

1. Ten years of data will be used as the standard period of record (POR).
2. All available data will be used for extreme values.
3. Summarize (update) every five years.
  - a. Summarize the five year period (1973-1977) for all sections of the SMOS except extremes. The 5 year summary will be an intermediate SMOS to show secular trends. All available data through 1977 will be included for extreme values.
  - b. The update in 1983 will include the POR 1973 through 1982, with all available data through 1982 for extreme values.
  - c. The update in 1988 will be an intermediate SMOS (POR 1983-1987). All available data through 1987 will be included for extreme values.
  - d. In 1993 the POR will be 1983 through 1992. All available data through 1992 will be used for extreme values.

Each standard POR (10 years) summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during, the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of ".0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Weather Service Detachment (NWSA), Asheville, N. C. welcomes your comment and criticisms.



## PART A

## WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.



Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

**NOTE:** The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

## PART A

# ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WEAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

## WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

23110  
STATIONLEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

JAN  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	01		7.7				7.7	53.5	16.8			68.4	155
	04		11.6				11.6	58.7	14.8			71.0	155
	07		11.0				11.0	64.5	12.9			72.9	155
	10		6.5				6.5	57.4	21.9			74.8	155
	13		5.2				5.2	29.7	41.3			69.4	155
	16		2.6				2.6	18.7	48.4		.6	66.5	155
	19		4.5				4.5	29.7	38.7			64.5	155
	22		5.8				5.8	45.8	26.5			67.7	155
TOTALS			6.9				6.9	44.8	27.7		.1	69.3	1240



# WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

23110 STATION LEMOORE, CALIFORNIA 73-77 YEARS FEB MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	01		7.1				7.1	25.5	14.9			37.6	141
	04		5.7				5.7	31.9	16.3			44.7	141
	07		5.0				5.0	49.6	14.9			54.6	141
	10		6.4				6.4	22.7	27.7			47.5	141
	13		7.1				7.1	7.8	36.2		.7	43.3	141
	16		7.8				7.8	3.5	34.8		.7	39.0	141
	19		7.8				7.8	9.2	24.8			31.9	141
	22		5.0				5.0	17.7	17.7			33.3	141
TOTALS			6.5				6.5	21.0	23.4		.2	41.5	1128

## WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

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23110  
STATIONLEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

MAR  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	01		3.9				3.9	2.6	1.9			3.9	155
	04		5.2				5.2	10.3	1.3			11.6	155
	07		7.1				7.1	23.9	3.9			27.1	155
	10		1.9				1.9	3.9	16.8		.6	20.6	155
	13		4.5				4.5		11.0		1.3	12.3	155
	16		7.7				7.7		8.4		1.9	10.3	155
	19		3.2				3.2	.6	5.8			5.8	155
	22		4.5				4.5	1.3	1.3			2.6	155
TOTALS			4.8				4.8	5.3	6.3		.5	11.8	1240

## WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

23110  
STATIONLEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

APR  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	01		2.0				2.0	1.3				1.3	150
	04		2.7				2.7	2.0				2.0	150
	07		2.7				2.7	4.0	1.3			4.7	150
	10		2.0				2.0		1.3			1.3	150
	13	.7	1.3				1.3		2.0		1.3	3.3	150
	16		3.3				3.3		1.3		.7	2.0	150
	19		1.3				1.3	.7			.7	1.3	150
	22		2.0				2.0	1.3				1.3	150
TOTALS		.1	2.2				2.2	1.2	.7		.3	2.2	1200



# WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

23110 STATION LEMOORE, CALIFORNIA 73-77 YEARS MONTH MAY

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	01		1.9				1.9						155
	04		1.3				1.3	1.3				1.3	155
	07		1.3				1.3	.6				.6	155
	10		.6				.6		.6		.6	1.3	155
	13		.6				.6				.6	.6	155
	16		.6				.6				.6	.6	155
	19	.6	1.3				1.3				.6	.6	155
	22	.6	1.3				1.3						155
TOTALS		.2	1.1				1.1	.2	.1		.3	.6	1240

## WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

23110  
STATIONLEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

JUN  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	01		.7				.7		1.3			1.3	150
	04		.7				.7		1.3			1.3	150
	07		.7				.7		1.3			1.3	150
	10								2.0			2.0	150
	13								2.0			2.0	150
	16								3.3		.7	3.3	150
	19		.7				.7		2.0			2.0	150
	22								1.3			1.3	150
TOTALS			.4				.4		1.8		.1	1.8	1200

# WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

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23110 STATION LEMOORE, CALIFORNIA 73-77 YEARS MONTH JUL

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	01												155
	04												155
	07												155
	10								1.3			1.3	155
	13								1.3			1.3	155
	16								.6			.6	155
	19		.6				.6		.6			.6	155
	22												155
TOTALS			.1				.1		.5			.5	1240



## WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

23110  
STATIONLEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

AUG  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	01								1.9			1.9	155
	04								1.9			1.9	155
	07		.6				.6	1.3	6.5			6.5	155
	10		.6				.6		7.1			7.1	155
	13		.6				.6		5.8			5.8	155
	16		1.9				1.9		5.2			5.2	155
	19								5.2			5.2	155
	22	.6	.6				.6		2.6			2.6	155
TOTALS		.1	.5				.5	.2	4.5			4.5	1240

## WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

23110  
STATIONLEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

SEP  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	01	.7	.7				.7	1.3	2.7			3.3	150
	04	.7	1.3				1.3	2.0	2.0			3.3	150
	07	1.3	2.0				2.0	1.3	8.0			8.7	150
	10	.7	1.3				1.3		12.0			12.0	150
	13	.7	1.3				1.3		9.3			9.3	150
	16								4.0			4.0	150
	19	.7	.7				.7		4.0			4.0	150
	22	.7	1.3				1.3	1.3	2.0			2.7	150
TOTALS		.7	1.1				1.1	.7	5.5			5.9	1200

## WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

23110  
STATIONLEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

OCT  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	01		1.9				1.9	1.9	8.4			9.7	155
	04		.6				.6	3.2	9.7			12.9	155
	07		1.3				1.3	5.8	27.7			30.3	155
	10		3.2				3.2	.6	33.5			33.5	155
	13		.6				.6		31.6			31.6	155
	16	.6	.6				.6	.6	25.2		.6	26.5	155
	19	.6	.6				.6	.6	13.5			14.2	155
	22		1.9				1.9	.6	10.3			11.0	155
TOTALS		.2	1.3				1.3	1.7	20.0		.1	21.2	1240



## WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

23110  
STATION

LEMOORE, CALIFORNIA

73-77

STATION NAME

YEARS

NOV  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	01		3.3				3.3	15.3	33.3			44.7	150
	04		2.7				2.7	25.3	27.3			47.3	150
	07		4.0				4.0	38.0	34.0			60.7	150
	10		2.7				2.7	20.7	42.7			60.7	150
	13		1.3				1.3	7.3	50.0			54.0	150
	16		2.0				2.0	5.3	46.7		.7	50.7	150
	19		3.3				3.3	5.3	44.7			48.7	150
	22		1.3				1.3	9.3	41.3			48.0	150
TOTALS			2.6				2.6	15.8	40.0		.1	51.9	1200

## WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

FORM

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

FORM

23110  
STATIONLEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

DEC  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	01		7.1				7.1	45.8	32.9		1.3	72.3	155
	04		8.4				8.4	53.5	26.5		.6	74.2	155
	07		9.7				9.7	69.0	23.2		.6	80.6	155
	10		7.1				7.1	56.8	34.8		.6	80.6	155
	13		7.1				7.1	25.2	52.3		1.3	74.8	155
	16		3.9				3.9	19.4	51.6		.6	69.7	155
	19		5.2				5.2	25.2	49.0		.6	72.3	155
	22		5.2				5.2	35.5	38.7		1.3	71.6	155
TOTALS			6.7				6.7	41.1	38.6		.9	74.5	1240

## WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

23110  
STATIONLEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

ALL  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL		6.9				6.9	44.8	27.7		.1	69.3	1240
FEB			6.5				6.5	21.0	23.4		.2	41.5	1128
MAR			4.8				4.8	5.3	6.3		.5	11.8	1240
APR		.1	2.2				2.2	1.2	.7		.3	2.2	1200
MAY		.2	1.1				1.1	.2	.1		.3	.6	1240
JUN			.4				.4		1.8		.1	1.8	1200
JUL			.1				.1		.5			.5	1240
AUG		.1	.5				.5	.2	4.5			4.5	1240
SEP		.7	1.1				1.1	.7	5.5			5.9	1200
OCT		.2	1.3				1.3	1.7	20.0		.1	21.2	1240
NOV			2.6				2.6	15.8	40.0		.1	51.9	1200
DEC			6.7				6.7	41.1	38.6		.9	74.5	1240
TOTALS		.1	2.8				2.8	11.0	14.1		.2	23.8	14608



# WEATHER CONDITIONS

## ATMOSPHERIC PHENOMENA

23110 STATION LEMOORE, CALIFORNIA 61-77 YEARS ALL MONTH

### PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	.2	33.7		.8	.4	34.1	75.0	59.1	.2		83.7	496
FEB		.4	30.8		.2	.2	30.8	60.6	58.0			71.5	452
MAR		1.6	21.2			1.2	21.2	21.4	26.8			34.3	496
APR		.8	19.4			.8	19.4	7.3	7.3		.2	11.7	480
MAY		1.2	10.5			.2	10.5	3.6	4.6			6.9	496
JUN		.8	5.4				5.4	.6	4.4			4.6	480
JUL		.6	3.4				3.4	.2	4.0			4.0	527
AUG		.6	3.8				3.8	.4	4.4			4.4	527
SEP		2.2	5.7			.2	5.7	2.7	15.7		.2	17.3	510
OCT		.9	12.1				12.1	13.9	47.6		.2	49.5	527
NOV		.4	26.1			.2	26.1	50.6	65.5			77.5	510
DEC		.4	34.0	.2	.4	.4	34.0	77.9	59.3		.4	85.4	526
TOTALS		.8	17.2	.0	.1	.3	17.2	26.2	29.7	.0	.1	37.6	6027

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

23110 STATION NAME LEMOORE, CALIFORNIA JAN 73 - DEC 77 YEARS MONTH JANUARY ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW "GRAINS "PELLETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.0	1.0	1.0						19.6	7.2	34.0			40.2
NNE	3.6								10.7	17.9	35.7			35.7
NE		5.3							42.1	15.8	26.3			15.8
ENE	11.8								29.4	17.6	35.3			17.6
E	4.0		4.0						40.0	26.0	26.0			16.0
ESE	2.9		1.5						36.8	25.0	25.0			19.1
SE	3.8	2.9	4.8						37.1	20.0	23.8		1.0	21.9
SSE	11.0	3.0	4.0						28.0	19.0	17.0			29.0
S	6.2	1.5	3.1						26.2	15.4	21.5			33.8
SSW	7.7								30.8	23.1	19.2			26.9
SW			5.6						22.2	38.9	11.1			33.3
WSW			5.0						10.0	10.0	45.0			35.0
W		1.4							12.2	27.0	25.7			36.5
WNW	4.3								12.8	19.1	34.0			42.6
NW	7.1	2.4	1.2						18.8	10.6	24.7			43.5
NNW	3.2		1.1						12.6	10.5	35.8			42.1
VARIABLE														
CALM	1.5		3.3						16.2	16.9	28.8			19.3
TOTAL	45	12	28						339	216	343		1	357
% TOTAL	3.6	1.0	2.3						27.3	17.4	27.7		.1	28.8

TOTAL NUMBER OF OBSERVATIONS

1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

23110 STATION NAME LEMOORE, CALIFORNIA JAN 73 - DEC 77 YEARS FEBRUARY MONTH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.4	.8	1.6						1.6	7.1	24.6		1.6	64.3
NNE		7.7								7.7	30.8			61.5
NE	7.1	7.1							7.1	7.1	42.9			35.7
ENE			6.3						18.8	25.0	37.5			37.5
E	11.6	2.3							11.6	7.0	34.9			37.2
ESE	9.3	4.7	2.3						14.0	11.6	23.3			41.9
SE	7.5	2.5							5.0	13.8	17.5			60.0
SSE	6.4	3.8							15.4	9.0	14.1			57.7
S	3.8	6.7							5.8	5.8	25.0			53.8
SSW		3.2							9.7	9.7	22.6			61.3
SW	4.0	4.0							8.0	16.0	28.0			48.0
WSW	7.7									23.1	35.9			43.6
W	1.3								11.7	15.6	27.3			50.6
WNW	2.6								7.7	15.4	20.5			53.8
NW	4.5								3.0	19.4	7.5			71.6
NNW		.9	.9						5.6	7.5	18.7			70.1
VARIABLE														
CALM	3.3	1.5	1.5						9.6	23.5	23.9			63.7
TOTAL	44	23	6						84	153	260		2	615
% TOTAL	3.9	2.0	.5						7.4	13.6	23.0		.2	54.5

TOTAL NUMBER OF OBSERVATIONS 1,128



# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

23110 LENDORE, CALIFORNIA JAN 73 - DEC 77 MARCH ALL  
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.6	2.1							1.6		6.9		1.6	86.2
NNE											8.1			91.9
NE	6.3										12.5			81.3
ENE		5.6									11.1			83.3
E	5.0	2.3							2.5		10.0			80.0
ESE	6.8	2.3								2.3	18.2			72.7
SE	4.2	4.2							2.1	8.3	6.3			75.0
SSE	5.0									5.0	10.0			83.3
S	4.1	6.8								2.7	6.8		1.4	82.4
SSW	2.8									8.3				88.9
SW	3.2	6.3								6.5	3.2			80.6
WSW	5.1										5.1			89.7
W	7.2										2.9			91.3
WNW										7.5	3.0			89.6
NW	1.8	.9								6.2	1.8			89.4
NNW	1.6	.5	.5						1.0	3.1	4.7		1.0	87.4
VARIABLE														
CALM	3.6	1.8							1.8	13.7	8.3			73.2
TOTAL	37	21	1						10	56	78		6	1042
% TOTAL	3.0	1.7	.1						.8	4.5	6.3		.5	84.0

TOTAL NUMBER OF OBSERVATIONS 1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

23110 STATION LENDORE, CALIFORNIA JAN 73 - DEC 77 MONTH APRIL ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		.4						.4		.8	.8		.4	97.5
NNE		1.9												98.1
NE														100.0
ENE														100.0
E														100.0
ESE	6.7										6.7			86.7
SE														100.0
SSE	13.6										4.3			81.8
S	7.9	2.6												89.5
SSW	3.0								3.0		3.0			93.9
SW														100.0
WSW	1.9													98.1
W	2.1	1.0								3.1				93.8
WNW	2.8								1.4					97.2
NW	.7	2.9								.7	.7		.7	94.2
NNW	1.3	.4							1.3	.9	.9		.9	95.7
VARIABLE														
CALM										1.1	1.1			97.7
TOTAL	17	9						1	4	10	9		4	1152
% TOTAL	1.4	.8						.1	.3	.8	.8		.3	96.0

TOTAL NUMBER OF OBSERVATIONS 1,200

# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

23110

LEMOORE, CALIFORNIA

JAN 73 - DEC 77

MAY

ALL

HOURS (L.S.T.)

YEARS

MONTH

STATION NAME

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	.5	.5									.3		.3	98.4
NNE	2.1													97.9
NE								4.3						95.7
ENE														100.0
E	4.8													95.2
ESE														100.0
SE										11.1			11.1	77.8
SSE		14.3												85.7
S														100.0
SSW														100.0
SW														100.0
WSW														100.0
W	1.8							1.8						96.5
WNW										2.4				97.6
NW	1.5	.5											.5	97.4
NNW		.7											.3	99.0
VARIABLE														100.0
CALM														100.0
TOTAL	8	6						2		3	1		4	1216
% TOTAL	.6	.5						.2		.2	.1		.3	98.1

TOTAL NUMBER OF OBSERVATIONS 1,240



PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

23110

STATION

LEMOORE, CALIFORNIA

STATION NAME

JAN 73 - DEC 77

YEARS

JUNE

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	.7										.7		.3	98.3
NNE														98.8
NE		1.2									5.6			94.4
ENE											13.3			80.0
E											4.2			95.8
ESE														100.0
SE														100.0
SSE														100.0
S		14.3												85.7
SSW														100.0
SW														100.0
WSW														100.0
W											5.4			94.6
WNW											1.4			98.6
NW											.6			98.8
NNW											1.7			98.0
VARIABLE														
CALM														100.0
TOTAL	2	2									18		1	1174
% TOTAL	.2	.2									1.5		.1	97.6

TOTAL NUMBER OF OBSERVATIONS

1,200



# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

23110 LEMOORE, CALIFORNIA JAN 73 - DEC 77 JULY ALL  
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N											.7			99.3
NNE														100.0
NE														100.0
ENE														94.4
E														93.3
ESE														100.0
SE														100.0
SSE		25.0												75.0
S														100.0
SSW														100.0
SW														100.0
WSW														100.0
W											1.7			98.3
WNW														100.0
NW														100.0
NNW											.3			99.7
VARIABLE														100.0
CALM														100.0
TOTAL		1												1233
% TOTAL		.1												99.4

TOTAL NUMBER OF OBSERVATIONS 1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

23110 STATION LEMOORE, CALIFORNIA JAN 73 - DEC 77 MONTH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		.7									1.4			96.2
NNE											1.7			96.6
NE											18.2			77.3
ENE											5.0			95.0
E											16.7			75.0
ESE											42.9			42.9
SE										9.1	18.2			54.5
SSE														60.0
S														100.0
SSW														100.0
SW														100.0
WSW											4.5			95.5
W											4.3			95.7
WNW											3.3			95.6
NW		1.3							.4		2.2			95.2
NNW	.7							.3			.3			97.6
VARIABLE														
CALM											3.9			97.1
TOTAL	2	5						1	1	1	32			1179
% TOTAL	.2	.4						.1	.1	.1	2.6			95.1

TOTAL NUMBER OF OBSERVATIONS 1,240

# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

JAN 73 - DEC 77  
YEARS

SEPTEMBER  
MONTH

ALL  
HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N											7.2			92.8
NNE											7.3			92.7
NE		5.6						5.6			11.1			83.3
ENE														100.0
E									3.4					96.6
ESE		8.3						8.3						83.3
SE														100.0
SSE											11.1			88.9
S														100.0
SSW														100.0
SW	4.8									4.8				90.5
WSW														100.0
W	2.0	2.0						2.0	1.0	1.0	7.0			69.0
WNW	1.1	1.1						1.1	1.1	1.1	1.1			96.7
NW	.5	.5						.5		.5	4.0			94.9
NNW		.8						.8		.4	6.0			92.8
VARIABLE														
CALM										1.1	8.9			89.0
TOTAL	5	8						8	3	6	63			1118
% TOTAL	.4	.7						.7	.3	.5	5.4			93.2

TOTAL NUMBER OF OBSERVATIONS 1,200



PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

23110

LEMOORE, CALIFORNIA

JAN 73 - DEC 77

OCTOBER

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		.5						1.0		1.0	17.5			79.9
NNE											24.5			75.5
NE											37.0			63.0
ENE											15.4			84.6
E										2.9	31.4			68.6
ESE	14.3								9.5		28.6			57.1
SE	6.7								6.7	6.7	33.3			46.7
SSE									2.8	4.5	13.6			81.8
S		2.8									5.6			86.1
SSW		4.5									4.5			90.9
SW										3.0	12.1			84.8
WSW											7.0			93.0
W		.9									11.3			86.8
WNW	1.4	1.4								1.4	21.9			74.0
NW		.8								2.5	24.8			74.4
NNW		.6									20.8		.6	78.6
VARIABLE														
CALM	1.1	1.4								2.5	23.1			74.4
TOTAL	.8	.8	1					2	5	16	244		1	963
% TOTAL	.6	.6	.1					.2	.4	1.3	19.7		.1	77.7

TOTAL NUMBER OF OBSERVATIONS

1,240

# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

23110

LEMOORE, CALIFORNIA

JAN 73 - DEC 77

NOVEMBER

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N									10.6	.8	37.1			53.8
NNE		1.9							9.6		50.0			40.4
NE			5.0						20.0	5.0	40.0			40.0
ENE			5.3						5.3		42.1			52.6
E			2.2						15.6	6.7	48.9			33.3
ESE	4.2								20.8	12.5	47.9			20.8
SE	1.7	1.7							10.3	8.6	31.0			53.4
SSE	3.9								7.8	7.8	49.0			35.3
S	4.9	3.3							9.8	3.3	29.5			57.4
SSW	8.7								13.0	4.3	34.8			43.5
SW		4.5								4.5	27.3			72.7
WSW	2.7	2.7							2.7	2.7	51.4			40.5
W		1.3							2.5	3.8	40.5			57.0
WNW									4.9	9.8	31.7			61.0
NW	1.0	1.0							8.7	3.8	38.5			52.9
NNW	1.5	.7	.7						5.9	5.9	36.3		.7	51.9
VARIABLE														
CALM														
TOTAL	15	10	6						127	63	480		1	562
% TOTAL	1.3	.8	.5						10.6	5.3	40.0		.1	46.8

TOTAL NUMBER OF OBSERVATIONS

1,200

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

23110

LEMOORE, CALIFORNIA

STATION NAME

JAN 73 - DEC 77

YEARS

DECEMBER

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.1		3.2						23.7	4.3	36.6			37.6
NNE			6.9						31.0	3.4	31.0			37.9
NE			8.3						25.0	8.3	50.0			25.0
ENE	5.9								23.5	5.9	47.1			23.5
E	5.1	1.7	1.7						32.2	3.4	49.2			15.3
ESE	11.3	3.8	1.3						35.0	5.0	38.8		1.3	12.5
SE	10.6								30.6	10.6	40.0			18.8
SSE	4.9	2.5	3.7						33.3	2.5	29.6		1.2	29.6
S	5.2	5.2	1.3						35.1	6.5	28.6		3.9	23.4
SSW	10.0								25.0	15.0	50.0			15.0
SW	4.0								20.0	20.0	40.0			32.0
WSW	3.0		3.0						27.3		57.6			27.3
W	1.9	5.8							11.5	13.5	50.0			25.0
WNW									20.9	18.6	37.2			34.9
NW			1.5						34.8	4.5	25.8			37.9
NNW	1.3	2.6	3.8						20.5	7.7	33.3			41.0
VARIABLE														
CALM	1.0	1.5	2.1						39.5	14.4	40.5			13.3
TOTAL	41	17	25						392	117	479		5	287
% TOTAL	3.3	1.4	2.0						31.6	9.4	38.6		.4	23.1

TOTAL NUMBER OF OBSERVATIONS

1,240



PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

23110 LEMOURE, CALIFORNIA STATION NAME JAN 73 - DEC 77 YEARS ALL MONTH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW "GRAINS "PELLETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	.5	.5	.2					.1	2.3	1.0	8.7		.3	87.0
NNE	.3	.8	.3						2.9	1.4	12.4			82.9
NE	.8	1.2	.8					.8	6.2	2.3	17.4			72.9
ENE	1.5	.5	1.0						6.6	4.1	17.9			71.4
E	3.3	.8	1.0					.3	13.3	5.3	24.3			56.1
ESE	6.8	2.0	.8						20.0	9.3	28.2		.3	38.9
SE	5.0	1.7	1.1						16.8	11.6	22.1		.4	48.3
SSE	6.3	2.3	1.6						16.1	8.1	19.9		.2	50.9
S	4.0	4.2	.6						10.8	4.8	16.3		.8	62.2
SSW	3.3	.8							7.7	6.9	13.0			72.0
SW	1.6	1.6	.4						4.3	8.1	11.6			76.4
WSW	2.1	.3	.5						3.2	3.2	17.9			76.0
W	1.3	1.0	.1					.3	3.0	3.1	14.1			77.2
WNW	.9	.2						.1	2.7	4.3	9.4			84.3
NW	1.0	.8	.1					.1	3.0	2.4	7.6		.1	86.2
NNW	.6	.4	.3					.1	1.9	1.6	7.8		.3	88.0
VARIABLE														
CALM	1.3	.5	1.0						17.1	10.6	23.4			68.1
TOTAL	224	122	67					14	963	641	2013		25	10898
% TOTAL	1.5	.8	.5					.1	6.6	4.4	13.8		.2	74.6

TOTAL NUMBER OF OBSERVATIONS 14,608

## PART B      PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

\* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
PRECIPITATION  
(FROM DAILY OBSERVATIONS)

23110 STATION LEMOORE, CALIFORNIA 61-77 YEARS

AMOUNTS (INCHES)															PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	66.1	13.5	4.6	4.6	2.4	3.6	3.6	.8	.6					20.4	496	1.15	5.34	TRACE	
FEB	69.2	7.3	4.0	4.6	4.2	6.0	2.9	1.3	.4					23.5	452	1.15	3.89	.02	
MAR	78.8	6.0	1.2	2.2	2.6	5.6	2.6	.8						15.1	496	.82	1.76	TRACE	
APR	80.6	6.7	1.9	4.0	1.0	3.1	2.3	.4						12.7	480	.52	1.46	TRACE	
MAY	89.5	4.6	.8	1.6	1.2	1.0	1.0	.2						5.8	496	.25	1.27	.00	
JUN	94.6	3.1		1.5	.2	.2	.4							2.3	480	.07	.38	.00	
JUL	96.6	2.1	.6	.2	.2	.4								1.3	527	.02	.21	.00	
AUG	96.2	2.3	.2	.9	.2	.2								1.5	527	.02	.14	.00	
SEP	94.3	2.4	.4	1.4	.4	.6	.2	.2	.2					3.3	510	.20	2.54	.00	
OCT	87.9	4.9	.9	2.7	.6	1.1	1.5	.4						7.2	527	.35	1.32	.00	
NOV	73.9	8.2	2.5	4.9	2.2	4.3	2.4	1.6						17.8	510	.92	2.72	.00	
DEC	64.9	11.5	5.0	5.2	4.8	5.0	1.2	2.2						23.6	496	1.08	3.67	.08	
ANNUAL	82.7	6.0	1.8	2.8	1.7	2.6	1.5	.7	.1					11.2	5997	6.55			



# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOWFALL  
(FROM DAILY OBSERVATIONS)

28110 STATION LEMOORE, CALIFORNIA STATION NAME 61-77 YEARS

5722 Daily Amounts 1969

AMOUNTS (INCHES)															TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	PERCENT OF DAYS WITH MEASUR- ABLE AMTS		MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	99.2	.6				.2								.2	496	.2	3.3	.0
FEB	99.8	.2													452	TRACE	TRACE	.0
MAR	100.0														496	.0	.0	.0
APR	100.0														480	.0	.0	.0
MAY	100.0														496	.0	.0	.0
JUN	100.0														480	.0	.0	.0
JUL	100.0														527	.0	.0	.0
AUG	100.0														527	.0	.0	.0
SEP	100.0														510	.0	.0	.0
OCT	100.0														527	.0	.0	.0
NOV	100.0														510	.0	.0	.0
DEC	99.8	.2													496	TRACE	TRACE	.0
ANNUAL	99.9	.1				.0								.0	5997	.2		

## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

23110 STATION LEMOORE, CALIFORNIA 61-77 YEARS

STATION NAME

AMOUNTS (INCHES)																	PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00								
													NONE	TRACE						OVER 50.4	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4								
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120								
JAN	99.4	.2	.2													.4	496				
FEB	100.0																452				
MAR	100.0																496				
APR	100.0																480				
MAY	100.0																496				
JUN	100.0																480				
JUL	100.0																527				
AUG	100.0																527				
SEP	100.0																510				
OCT	100.0																527				
NOV	100.0																510				
DEC	100.0																496				
ANNUAL	99.9	.0	.0													.0	5997				

# EXTREME VALUES

## PRECIPITATION (FROM DAILY OBSERVATIONS)

23110 LEMOORE, CALIFORNIA

61-77

STATION NAME

YEARS

### 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
61	.23	1.09	.35	TRACE	.03	TRACE	TRACE	TRACE	.04	TRACE	.91	.70	
62	.50	1.00	.38	.39	.54	TRACE	.00	TRACE	.00	.13	.00	.21	1.09
63	.50	.02	.21	.09	.05	.03	TRACE	.02	.13	.32	.57	.08	1.00
64	.20	.12	.49	.36	.00	.00	.03	.01	.00	.45	.32	.15	.50
65	.36	.23	TRACE	TRACE	.26	.07	.11	.00	TRACE	.04	.81	.45	.81
66	.43	.04	.41	.27	.25	.37	.00	.00	.25	.01	.94	.73	.73
67	.21	.23	.56	.51	.13	TRACE	TRACE	.02	.00	.75	.43	.62	.75
68	1.30	1.40	.21	.49	.05	.26	.15	.00	.08	.03	.29	.14	1.40
69	.39	.56	.53	.08	.00	TRACE	TRACE	.00	.00	.05	.80	.41	.80
70	.10	.18	.10	.68	.41	TRACE	TRACE	TRACE	.05	.01	.11	.41	.68
71	.06	.10	TRACE	.12	.07	.04	.01	.00	.04	.02	.66	.20	.66
72	1.09	.76	.31	.04	TRACE	TRACE	.00	.09	.00	.65	.19	.22	1.09
73	.90	.02	.33	.11	.00	.00	TRACE	TRACE	.00	.27	.03	.85	.90
74	.03	.41	.47	.22	.00	.00	TRACE	.03	.04	.32	.09	.08	.47
75	TRACE	.83	.23	.31	.00	.04	.01	.04	1.32	.48	.42	.43	1.32
76	.52	.02	.83	TRACE	.48	.20	.00	TRACE	TRACE	.03	.20	.89	.89
77													
78													
79													
80													
81													
82													
83													
84													
85													
86													
87													
88													
89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
00													
MEAN	.43	.64	.34	.23	.14	.06	.02	.02	.12	.21	.41	.41	.87
S. D.	.380	.447	.217	.210	.187	.112	.042	.037	.317	.267	.314	.275	.270
TOTAL OBS.	496	452	496	480	496	480	527	527	510	527	510	496	5997



**PRECIPITATION**  
**FROM DAILY OBSERVATIONS)**

61-77

STATION NAME
LEMOORE, CALIFORNIA

YEARS

24 HOUR AMOUNTS IN INCHES  
/BASED ON LESS THAN FULL MONTHS/

[illegible]

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# EXTREME VALUES

SNOWFALL  
(FROM DAILY OBSERVATIONS)

23110 LEMOORE, CALIFORNIA 61-77 YEARS

STATION NAME

YEAR

## 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
61	3.3	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3
62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
68	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
69	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEAN	.21	TRACE	.00	.00	.00	.00	.00	.00	.00	.00	.00	TRACE	.22
S. D.	.823	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.852
TOTAL OBS.	496	432	496	480	496	480	527	527	510	527	510	496	5997





**SNOW DEPTH**  
(FROM DAILY OBSERVATIONS)

**LEMOORE, CALIFORNIA**

YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
61													
62	4	0	0	0	0	0	0	0	0	0	0	0	4
63	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0	0	0	0	0
68	0	0	0	0	0	0	0	0	0	0	0	0	0
69	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0
71	0	0	0	0	0	0	0	0	0	0	0	0	0
72	0	0	0	0	0	0	0	0	0	0	0	0	0
73	0	0	0	0	0	0	0	0	0	0	0	0	0
74	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0	0	0	0
76	0	0	0	0	0	0	0	0	0	0	0	0	0
77	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
S. D.	1.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.033
TOTAL OBS.	496	452	496	480	496	480	527	527	510	527	510	496	5997

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SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

61-77

STATION NAME
LEMOORE, CALIFORNIA

**STATION**  
**23110**

YEARS

DAILY SNOW DEPTH IN INCHES  
/BASED ON LESS THAN FULL MONTHS/[illegible]

NAVWEASERVCOM

DAILY EXTREME AMOUNTS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

STATION 23110 LEMUORE, CALIFORNIA STATION NAME  
YEARS 1962-1977  
MONTH JANUARY

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.02	1	1977*			
2	0.52	13	1977			
3	0.03	1	1965			
4	0.46	12	1974	T	T	1968
5	0.14	4	1977			
6	0.44	11	1974			
7	0.90	23	1974			
8	0.36	14	1973			
9	0.14	4	1970			
10	0.11	3	1968			
11	0.11	3	1970			
12	0.08	2	1962			
13	1.12	28	1969			
14	0.35	9	1970			
15	0.21	5	1970			
16	0.39	10	1973*			
17	0.28	7	1974			
18	1.09	28	1973			
19	1.30	33	1969			
20	0.44	11	1969			
21	0.50	13	1964	T	T	1962
22	0.28	7	1967	3.3	84	1962
23	0.29	7	1969			
24	0.43	11	1967			
25	0.96	24	1969			
26	0.17	4	1969			
27	0.16	4	1968			
28	0.03	1	1969			
29	0.12	3	1967			
30	0.42	11	1963	T	T	1969
31	0.30	13	1963			
Monthly	1.30	33	1969	3.3	84	1962

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.12	3	1966			
2	0.12	3	1975			
3	0.03	1	1975*			
4	0.20	5	1966			
5	0.44	11	1976			
6	0.23	6	1966			
7	0.31	8	1976			
8	0.28	7	1962			
9	1.00	25	1963			
10	1.09	28	1962			
11	0.76	19	1973			
12	0.35	9	1973			
13	0.41	10	1975			
14	0.14	4	1973			
15	0.10	3	1969			
16	0.18	5	1971			
17	0.23	6	1968			
18	0.35	9	1969			
19	0.11	3	1962			
20	T	T	1969			
21	0.12	3	1969			
22	T	T	1971			
23	0.25	6	1969			
24	1.40	36	1969			
25	0.21	5	1969			
26	0.10	3	1966	T	T	1962
27	0.29	7	1973			
28	0.58	15	1970			
29	0.02	1	1976			
30						
31						
Monthly	1.40	36	1969	T	T	1962

\* ALSO ON EARLIER YEARS  
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE  
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

1962-1977  
YEARS

# DAILY EXTREME AMOUNTS

MARCH  
MONTH

APRIL  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.52	13	1970			
2	0.23	6	1976			
3	0.11	3	1974			
4	0.53	13	1970			
5	0.47	12	1975			
6	0.29	7	1973			
7	0.56	14	1968			
8	0.37	9	1975			
9	0.09	2	1969			
10	0.21	5	1969			
11	0.34	9	1967			
12	0.10	3	1971			
13	0.48	12	1968			
14	0.08	2	1963			
15	0.03	1	1967			
16	0.83	21	1977			
17	0.03	1	1963			
18						
19	0.14	4	1973			
20	0.31	8	1973			
21	0.12	3	1973			
22	0.35	9	1962			
23	0.12	3	1964			
24	0.11	3	1964			
25	0.04	1	1975			
26	0.12	3	1973			
27	0.16	4	1965			
28	0.38	10	1963			
29	Y	Y	1974			
30	0.22	6	1974			
31	0.49	12	1965			
Monthly	0.83	21	1977			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.51	13	1968			
2	0.21	5	1969			
3	Y	Y	1976*			
4	0.26	7	1967			
5	0.49	12	1969			
6	0.32	8	1965			
7	0.36	9	1963			
8	0.33	8	1965			
9	0.36	9	1965			
10	0.16	4	1976			
11	0.13	4	1976			
12	0.12	3	1976			
13	0.28	7	1976			
14	0.68	17	1971			
15	0.04	1	1967			
16	0.04	1	1963			
17	0.16	4	1971			
18	0.27	7	1967			
19	0.10	3	1967			
20	0.26	7	1963			
21	0.19	5	1967			
22	0.01		1967			
23	0.11	3	1967			
24	0.02	1	1974			
25	0.22	6	1963			
26	0.03	1	1970			
27	0.02	1	1967			
28	Y	Y	1967			
29	Y	Y	1967			
30	Y	Y	1977			
31						
Monthly	0.68	17	1971			

\* ALSO ON EARLIER YEARS

Y - TRACE, AN AMOUNT TOO SMALL TO MEASURE  
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

1962-1977  
YEARS

# DAILY EXTREME AMOUNTS

5724 DAILY AMOUNTS MAR 1978

MAY  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.01		1977			
2	T		1971			
3	0.27		1971			
4	0.05		1969			
5	0.07		1971			
6	0.05		1964			
7	0.20		1971			
8	0.34		1977			
9	0.26		1966			
10	0.09		1966			
11	0.48		1977			
12	0.19		1977			
13	T		1968			
14	0.01		1968*			
15						
16	0.03		1962			
17						
18	T		1977			
19	0.02		1977			
20	0.07		1972			
21						
22						
23						
24						
25	T		1964			
26	T		1971*			
27	0.41		1971			
28	0.54		1963			
29						
30	T		1973			
31	0.34		1963			
Monthly						

JUNE  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	T		1967			
2						
3						
4	0.37		9 1967			
5	T		1968*			
6	0.07		2 1966			
7	T		1966			
8	0.04		1 1977*			
9	0.20		5 1977			
10	0.04		1 1976			
11	T		1963			
12	T		1970			
13	T		1973			
14						
15	T		1962			
16	0.26		7 1969			
17	0.03		1 1969			
18						
19						
20						
21						
22						
23						
24						
25						
26	T		1971*			
27						
28						
29						
30						
31	0.37		9 1967			
Monthly						

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

1961-1977  
YEARS

# DAILY EXTREME AMOUNTS

0000

24 DAILY AMOUNTS MAR 1978

0000

0000

JULY  
MONTH

AUGUST  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	T	T	1961			
2	T	T	1961			
3	T	T	1961			
4	T	T	1970			
5						
6						
7						
8	T	T	1968			
9						
10						
11						
12	0.13	4	1969			
13	0.06	2	1969			
14						
15	0.01		1976			
16						
17	T	T	1971*			
18						
19						
20						
21						
22	0.01		1976			
23						
24						
25						
26	T	T	1964			
27						
28	T	T	1970			
29	0.01		1972			
30	0.11	3	1966			
31	T	T	1974			
Monthly	0.13	4	1969			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1						
2						
3	T	T	1961			
4	T	T	1974			
5	0.09	2	1973			
6						
7	0.02	1	1963			
8	T	T	1963*			
9						
10	T	T	1963*			
11	0.01		1963			
12	0.02	1	1968			
13						
14	T	T	1976*			
15	0.02	1	1976			
16						
17	T	T	1977			
18	0.03	1	1975			
19	0.04	1	1976			
20						
21						
22						
23						
24	T	T	1971			
25						
26						
27						
28						
29						
30						
31	0.14	4	1964			
Monthly	0.14	4	1964			

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

1961-1977  
YEARS

# DAILY EXTREME AMOUNTS

5724 DAILY AMOUNT MAR 1978

SEPTEMBER  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1						
2						
3						
4	0.01		1972*			
5	0.04	1	1972			
6	0.04	1	1969			
7	0.08	2	1969			
8	0.04	1	1973			
9	T	T	1976*			
10	0.62	16	1976			
11	0.42	11	1976			
12						
13						
14						
15						
16						
17						
18	0.13	3	1963			
19	0.02	1	1966			
20						
21	0.07	2	1967			
22	T	T	1967			
23						
24						
25						
26						
27						
28	0.18	5	1976			
29	1.32	34	1976			
30	0.05	1	1971			
31						
Monthly	1.32	34	1976			

OCTOBER  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.48	12	1976			
2	0.14	4	1974			
3	0.01		1967			
4	T	T	1972			
5	T	T	1977			
6	0.18	5	1973			
7	0.63	17	1973			
8	T	T	1973*			
9	T	T	1972			
10	0.08	2	1975			
11	0.20	5	1963			
12	0.04	1	1968			
13	0.73	19	1968			
14	0.16	4	1968			
15	0.32	8	1963			
16	0.26	7	1963			
17	0.02	1	1972			
18	T	T	1970			
19						
20	T	T	1970			
21	T	T	1961			
22	0.03	1	1973*			
23	0.03	1	1973			
24						
25						
26	T	T	1973			
27	0.09	2	1964			
28	0.39	10	1964			
29	0.43	11	1964			
30	0.32	8	1975			
31	0.03	1	1974			
Monthly	0.73	19	1968			

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

2

23110 STATION

LEMOORE, CALIFORNIA  
STATION NAME

1961-1977 YEARS

# DAILY EXTREME AMOUNTS

NOVEMBER  
MONTH

DECEMBER  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.03	1	1974*			
2	0.13	4	1968			
3	0.30	8	1968			
4	0.66	17	1972			
5	0.29	7	1969			
6	0.25	6	1966			
7	0.42	11	1972			
8	0.01		1964			
9	0.13	3	1964			
10	0.32	8	1964			
11	0.29	7	1972			
12	0.42	11	1976			
13	0.13	3	1972			
14	0.61	15	1972			
15	0.57	14	1963			
16	0.81	21	1965			
17	0.15	4	1965			
18	0.23	6	1967			
19	0.94	24	1967			
20	0.91	23	1961			
21	0.20	5	1977			
22	0.50	13	1965			
23	0.29	7	1965			
24	0.01		1963			
25	0.53	14	1970			
26	Y	Y	1975*			
27	0.09	2	1975			
28	0.07	2	1971			
29	0.80	20	1970			
30	0.15	4	1967			
31						
Monthly	0.94	24	1967			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.70	18	1961			
2	0.62	16	1966			
3	0.83	22	1974			
4	0.18	5	1966			
5	0.54	14	1966			
6	0.73	19	1966			
7	0.11	3	1967			
8	0.08	2	1969			
9	0.08	2	1963			
10	0.03	1	1971			
11	0.17	4	1965			
12	0.25	6	1965			
13	0.16	4	1970	Y	Y	1967
14	0.62	16	1968			
15	0.07	2	1977			
16	0.21	5	1962			
17	0.80	20	1977			
18	0.41	10	1970			
19	0.14	4	1969*			
20	0.13	3	1970	Y	Y	1968
21	0.20	5	1977			
22	0.41	10	1971			
23	0.89	23	1977			
24	0.18	5	1968			
25	0.09	2	1969			
26	0.13	4	1964			
27	0.83	21	1977			
28	0.64	16	1977			
29	0.45	11	1965			
30	0.43	11	1976			
31	0.18	5	1976			
Monthly	0.89	23	1977	Y	Y	1968*

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE  
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

## PART C

## SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

**NOTE:** According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from 3-hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: **INSTRUMENT CLASS**: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.



# EXTREME VALUES

## SURFACE WINDS (FROM DAILY OBSERVATIONS)

23110 LEMOORE, CALIFORNIA STATION NAME  
61-77 YEARS

### DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
61	NNW 33SE	28NNW	34N	30NNW	28NNW	24N	NNW 26NNW	25NNW	32NNW	35SE	29S	20	
62	ESE 28N	20SW	36S	28	NW 31N	25NNW	21NNW	23N	18	23WSW	24S	NNW 13	
63	S 33NE	34NW	36NNW	30NNW	28NNW	28NNW	23WSW	23NNW	26W	23WSW	25NNW	24	
64	NW 30NW	43SW	32NNW	32N	37NNW	30NNE	24NNW	27NNW	31NNW	27SSW	28S	33	NW 36
65	SSW 27NNW	29NNW	30SW	29W	25N	26NNW	24N	24NNW	23NNW	32SSE	27NNW	32	NW 43
66	NNW 28S	33S	29WSW	28N	26NW	28NNW	26N	23SSE	28N	29WSW	22NNW	27	S 33
67	WSW 22NW	17NW	26NW	31NW	28NNW	32	NNW 27N	23N	24N	30NNW	27		
68	NNW 33S	29NNW	27NNW	32NNW	25NNW	26N	28NNW	22NNW	22N	32W	29N	32	NNW 33
69	S 28N	29N	38N	30N	28N	31NNE	24N	21N	30NNW	28SSE	32SSE	25	N 38
70	NNW 38SW	38SW	35SW	30SW	32SW	30SW	22SW	26SW	26SW	39SW	24SW	38	34 39
71	01 26SW	28SW	30SW	32SW	30SW	3302	2312	2335	2291	3316	2532	41	32 41
72	35 29SW	31SW	33SW	32SW	29SW	2703	1904	2034	2419	2620	3012	24	34 33
73	32 33SW	3418	3124	2930	3333	3633	2633	2435	1930	3609	3318	37	18 37
74	33 34SW	3233	4936	3535	3636	2833	2434	2301	1832	3835	3036	27	33 49
75	01 2127	3133	3432	3733	2903	3015	2233	2310	2832	2431	2134	27	32 37
76	16 3034	3133	3733	3327	3535	2535	2333	2533	2336	2534	2917	31	33 37
77													
78													
79													
80													
81													
82													
83													
84													
85													
86													
87													
88													
89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
100													
MEAN	29.6	30.4	33.6	31.1	29.7	29.1	23.8	23.6	24.5	29.7	27.7	28.5	37.5
S. D.	4.442	6.099	5.416	2.446	4.047	3.172	2.206	1.958	4.288	5.375	3.420	6.829	4.754
TOTAL OBS.	496	452	496	480	465	480	496	527	508	494	480	526	5900

**SURFACE WINDS**  
(FROM DAILY OBSERVATIONS)

23110	LEMOORE, CALIFORNIA	61-77
STATION	STATION NAME	YEARS

DAILY PEAK GUSTS IN KNOTS  
/BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/

[illegible]

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NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

23110  
STATION

LEMODRE, CALIFORNIA  
STATION NAME

73-77  
YEAR

JAN  
MONTH

ALL WEATHER  
CLASS

01  
HOURS (L.S.T.)

CONDITION

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	1.3									3.2	6.0
NNE	.6	.6	.6									1.9	4.7
NE	1.9		.6									2.6	3.3
ENE		.6										.6	5.0
E	3.2	.6										3.9	3.3
ESE	1.9	1.9										3.9	3.7
SE	3.9	4.5			.6							9.7	4.7
SSE	3.2	1.9	1.3									6.5	4.2
S	2.6	2.6	1.9									7.1	4.3
SSW	1.3	.6										1.9	3.3
SW	2.6	1.3										3.9	3.2
WSW	2.6											2.6	2.8
W	3.9	5.2										9.0	3.6
WNW	2.6	1.9				.6						5.2	5.8
NW	.6	3.2	1.3	.6								5.8	5.7
NNW	1.9	2.6	.6									5.2	4.6
VARBL													
CALM												27.1	
	33.5	29.0	8.4	.6	.6	.6	.6					100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LENDURE, CALIFORNIA  
STATION NAME

73-77  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

04  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	.6									3.2	4.0
NNE	1.3											1.3	2.5
NE													
ENE													
E	1.9	1.3										3.2	3.6
ESE	1.3	3.9	1.3									6.5	5.2
SE	5.6	1.9										7.7	3.0
SSE	1.9	4.5	1.3									7.7	4.7
S	1.9	1.3	.6									3.9	4.3
SSW	1.3	1.9	.6									3.9	4.5
SW	1.3											1.3	2.5
WSW	.6	1.3										1.9	3.7
W	5.6	2.6										8.4	2.9
WNW	2.6	1.3										3.9	3.0
NW	2.6	3.2	2.6	1.3								9.7	6.3
NNW	2.6	1.3	2.6									6.5	5.7
VARBL													
CALM												31.0	
	32.3	25.8	9.7	1.3								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

ALL WEATHER  
CLASS

JAN  
MONTH

07  
HOURS (L.S.T.)

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	.6	.6									4.5	3.1
NNE													
NE	1.3											1.3	2.0
ENE	1.3	.6										1.9	3.3
E	.6	1.9										2.6	4.0
ESE	.6	2.6										3.2	4.8
SE	2.6	2.6	2.6	.6								8.4	5.8
SSE	2.6	3.9	.6	1.3								8.4	5.5
S	1.9	3.9	.6									6.5	4.1
SSW	1.3	.6										1.9	2.7
SW	1.9											1.9	2.7
WSW	.6	.6										1.3	4.5
W	3.2	1.9										5.2	3.0
WNW	2.6	.6										3.2	3.2
NW	2.6	3.2	1.3	.6								7.7	5.3
NNW	1.3	1.3	1.3	.6								4.5	6.7
VARBL													
CALM												37.4	
	27.7	24.5	7.1	3.2								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEAR

JAN  
MONTH

ALL WEATHER  
CLASS

10  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	3.2	2.0	.6								9.1	6.0
NNE													
NE	.6											.6	1.0
ENE	.6	.6										1.3	3.5
E	1.9											1.9	2.0
ESE	2.6	3.2	.6									6.5	4.4
SE	7.8	2.0	1.3									11.7	3.6
SSE	5.8	3.9	3.2	2.6								15.6	6.0
S	3.9	2.0	1.3	.6								8.4	5.1
SSW	1.9											1.9	3.0
SW	1.3											1.3	3.0
WSW													
W	.6	.6										1.3	3.5
WNW		.6										.6	5.0
NW			4.6									2.6	9.0
NNW	1.3	3.2	2.6	.6	1.3	.6						9.7	9.0
VARBL													
CALA												27.3	
	31.2	20.8	14.3	4.5	1.3	.6						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

154



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

13  
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.8	5.2	4.5	.6								16.1	5.3
NNE	1.9	1.9	.6									4.5	3.7
NE	1.9											1.9	2.3
ENE	3.9											3.9	1.5
E	3.2	2.6	.6									6.5	4.1
ESE	1.9	1.3	2.6	.6								6.5	5.7
SE	4.5	4.5	.6	.6								10.3	4.6
SSE	1.3	1.9	3.2	1.3	.6							8.4	8.0
S	.6	2.6		.6								3.9	5.5
SSW													
SW													
WSW													
W	.6	.6										1.3	3.0
WNW	.6	.6	1.3									2.6	5.8
NW	1.3	.6	1.9	1.3								5.2	7.0
NNW	1.9	1.3	2.6	3.2	1.3							10.3	9.6
VARBL													
CALM												18.7	
	29.7	23.2	18.1	8.4	1.9							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

16  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	9.0	5.2	1.3								18.7	5.8
NNE	3.2	1.9	1.3									6.5	4.4
NE	.6	1.3	.6									2.6	5.0
ENE	.6		.6									1.3	5.0
E	1.9	.6	1.3									3.9	4.8
ESE	2.6	1.9	.6									5.2	4.3
SE		2.6	3.2	.6								6.5	7.5
SSE	1.9	2.6	2.6									7.1	5.1
S	.6	1.3	.6	.6								3.2	7.6
SSW	.6	.6										1.3	3.0
SW													
WSW													
W	2.6	.6		.6								3.9	4.3
WNW	.6	.6										1.3	3.5
NW	1.3	2.6	1.9	1.3								7.1	6.5
NNW	3.9	5.8		2.6	.6							12.9	6.7
VARBL													
CALM												18.7	
	23.9	31.6	18.1	7.1	.6							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

2

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

JAN  
MONTH

19  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	1.9	.6									5.2	3.8
NNE	.6	2.6										3.2	3.8
NE	1.3	.6										1.9	3.3
ENE	.6	.6										1.3	2.5
E	2.6	1.9										4.5	3.1
ESE	3.2	1.9	.6									5.8	3.8
SE	3.2	3.9	1.9	.6								9.7	5.2
SSE	1.3	1.9	2.6		.6							6.5	7.2
S	3.2	1.3	1.3									5.8	4.1
SSW	.6	.6	.6									1.3	6.5
SW	.6	.6										.6	2.0
WSW	.6	1.3										1.9	4.3
W	2.6	.6										3.2	2.8
WNW	2.6	1.3										3.9	3.2
NW	1.3	4.5	3.2	.6								9.7	6.3
NNW	2.6	3.2	1.9	.6								8.4	5.5
VARS													
CALM												27.1	
	29.0	28.4	12.9	1.9	.6							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LENOIRE, CALIFORNIA  
STATION NAME

73-77  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

22  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.9										2.6	4.5
NNE	.6											.6	1.0
NE	1.3											1.3	2.5
ENE		.6										.6	4.0
E	2.6	3.2										5.8	3.6
ESE	1.9	3.2	.6									5.8	4.7
SE	.6	1.3	1.9	.6								3.9	6.3
SSE	.6	1.9	1.9									4.5	6.1
S	.6	1.9	.6									3.2	5.2
SSW	3.2	1.3										4.5	3.0
SW	1.9	.6										2.6	3.0
WSW	3.9	1.3										5.2	3.5
W	6.5	9.0										15.5	4.2
WNW	4.5	4.5		.6								9.7	5.3
NW	1.9	3.2	1.3	.6								7.1	5.7
NNW	.6	2.6		.6								3.9	
VARBL												23.2	
CALM												100.0	3.3
	31.6	36.8	5.8	2.6									

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	3.1	1.9	.3								7.8	5.2
NNE	1.0	.9	.3									2.3	3.9
NE	1.1	.2	.2									1.5	3.2
ENE	.9	.4	.1									1.4	2.9
E	2.3	1.5	.2									4.0	3.7
ESE	2.0	2.5	.8	.1								5.4	4.6
SE	3.6	3.0	1.5	.4	.1							8.5	4.9
SSE	2.3	2.6	2.1	.6	.2							8.1	5.9
S	1.9	2.2	.9	.2								5.2	4.8
SSW	1.2	.7	.2									2.1	3.6
SW	1.2	.2										1.5	2.9
WSW	1.0	.6										1.6	3.4
W	3.2	2.7		.1								6.0	3.4
WNW	2.0	1.5	.2	.1		.1						3.8	4.2
NW	1.5	2.6	2.0	.8								6.9	6.2
NNW	2.0	2.7	1.5	1.0	.4	.1						7.7	7.0
VARBL													
CALM												26.3	
	29.9	27.2	11.8	3.7	.6	.2						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

1239

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

01  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.1		.7								3.5	5.4
NNE	.7	.7										1.4	2.5
NE	.7	.7										1.4	4.5
ENE	1.4											1.4	3.0
E	2.8		.7									3.5	3.6
ESE	2.1											2.1	2.0
SE	.7	5.0	.7									6.4	5.2
SSE	2.8	2.1	1.4									6.4	4.6
S	4.3	.7	4.3	.7								9.9	6.0
SSW	.7											.7	2.0
SW													
WSW	3.5	.7										4.3	2.3
W	3.5	7.8	1.4									12.8	4.2
WNW	1.4	1.4										2.8	3.8
NW	2.8	5.7	2.1									10.6	5.1
NNW	.7	4.3	2.1	2.1								9.2	7.5
VARBL													
CALM												23.4	
	29.1	31.2	12.8	3.5								100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

141



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LENDURE, CALIFORNIA  
STATION NAME

73-77  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

04  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	2.1	.7									5.7	3.9
NNE		1.4										1.4	6.0
NE													
ENE		1.4										1.4	4.0
E	2.8	.7	.7									4.3	3.7
ESE		3.5										3.5	4.6
SE	2.8	2.6										5.7	3.8
SSE	2.8	5.7	1.4									9.9	4.4
S	.7	1.4	2.8									5.0	6.7
SSW	3.5	1.4										5.0	3.1
SW	2.1	1.4										3.5	2.8
WSW	3.5	2.8										6.4	3.1
W	5.0	5.0										9.9	3.6
WNW	2.1	2.1	.7									5.0	4.6
NW	.7	5.0	.7		.7							7.1	5.9
NNW	2.8	2.1	.7	2.8								8.5	7.1
VARBL													
CALM												17.7	
	31.9	39.0	7.8	2.8	.7							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LENDURE, CALIFORNIA  
STATION NAME

73-77  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

07  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.1	1.4									5.7	4.6
NNE	.7											.7	1.0
NE	.7											.7	2.0
ENE	.7		.7									1.4	5.0
E	2.1	.7										2.8	2.5
ESE	1.4	1.4										2.8	3.5
SE	2.1	4.3	2.8	.7								9.9	5.6
SSE	2.1	2.1	1.4									5.7	4.6
S	2.8	2.8	1.4	.7								7.8	5.0
SSW	1.4	3.5										5.0	4.0
SW	2.1	2.8										5.0	3.6
WSW	1.4	.7			.7							2.1	3.7
W	2.1	3.5										6.4	5.1
WNW	1.4	3.5										5.0	3.9
NW	1.4	1.4		.7								3.5	5.6
NNW	2.1	2.1	2.1	.7								7.1	5.4
VARBL													
CALM												28.4	
	27.0	31.2	9.9	2.8	.7							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

10  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.8	4.3	2.1								9.2	8.4
NNE	.7	.7										1.4	4.0
NE													
ENE		1.4										1.4	6.0
E	2.8	.7										3.5	3.0
ESE	2.1	2.1	.7									5.0	4.6
SE	.7	2.1	2.1	.7								9.7	6.8
SSE	2.8	4.3	3.5	2.1								12.8	6.7
S	7.1	2.8	1.4	.7								12.1	4.1
SSW	2.1	.7										2.8	2.8
SW	.7											.7	1.0
WSW	1.4	.7	.7									2.8	3.8
W	.7	.7										1.4	4.0
WNW		2.1	1.4									3.5	7.0
NW	1.4	5.0		.7								7.1	5.0
NNW	2.1	4.3	2.1	5.0	.7	1.4						15.6	10.6
VARBL													
CALM												14.9	
	24.8	30.5	16.3	11.3	.7	1.4						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

141



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

13  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	9.2	2.8	3.5	2.1							19.9	8.4
NNE	2.1	2.1	.7									5.0	5.0
NE	3.5	.7										4.3	2.2
ENE	1.4	.7										2.1	3.0
E	2.1	2.1										4.3	3.7
ESE	.7	2.1	1.4									4.3	5.5
SE	2.8	2.1	1.4	.7								7.1	5.5
SSE		3.5	2.8	2.1								8.5	8.1
S	2.1	2.8	3.5	2.8	.7							12.1	8.4
SSW	.7											.7	3.0
SW	.7				.7							1.4	10.5
WSW			.7	.7								1.4	10.0
W													
WNW		.7	.7									1.4	6.5
NW				1.4								1.4	13.5
NNW	1.4	2.1	1.4	3.5	2.1							10.6	11.6
VARBL													
CALM												15.6	
	19.9	28.4	15.6	14.9	5.7							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

16  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	7.1	8.5	5.7	.7	.7						25.5	8.1
NNE	1.4	2.1	.7	1.4								5.7	6.9
NE	2.1		.7									2.8	3.8
ENE	.7	.7										1.4	2.5
E	2.1	.7	2.8									5.7	5.3
ESE	.7	2.1	5.0									7.8	6.7
SE	.7	5.0	1.4	.7								7.8	6.4
SSE	.7	1.4	1.4	.7								4.3	7.5
S	2.1	1.4	1.4	2.1								7.1	7.2
SSW		.7		.7								1.4	9.0
SW	.7		.7	.7								2.1	7.3
WSW													
W													
WNW													
NW	.7	1.4		.7								2.8	6.8
NNW	.7	2.8	1.4	2.1	.7							7.8	9.1
VARBL													
CALM												17.7	
	15.6	25.5	24.1	14.9	1.4	.7						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

19  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.4	5.7	2.8	1.4								16.3	5.1
NNE	1.4	1.4										2.8	3.3
NE		.7										.7	5.0
ENE	1.4	.7										2.1	2.7
E	2.1	1.4										3.5	3.6
ESE	1.4	2.8										4.3	3.8
SE	2.8	2.8	1.4									7.1	4.2
SSE	2.1	1.4	1.4									5.0	4.6
S	3.5	5.0	1.4		1.4							11.3	5.9
SSW	2.1											2.1	2.0
SW	1.4		.7									2.1	4.0
WSW	1.4	1.4		.7								3.5	5.4
W	1.4											1.4	2.5
WNW	.7	2.8										3.5	4.2
NW	.7	1.4	2.8	.7								5.7	7.1
NNW	3.5	1.4	.7	3.5								9.2	7.5
VARBL													
CALM												19.1	
	32.6	29.1	11.3	6.4	1.4							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

141



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LENDURE, CALIFORNIA  
STATION NAME

73-77  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

22  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.4	.7									3.5	4.0
NNE													
NE													
ENE													
E	1.4	.7	.7									2.8	4.0
ESE			.7									.7	9.0
SE	3.5	2.1	.7	.7								7.1	5.3
SSE	1.4	.7	.7									2.8	5.0
S	2.1	2.1	2.1	1.4								8.5	6.8
SSW	2.1	2.1										4.3	3.2
SW	2.1	.7	.7									2.8	3.3
WSW	.7	5.0	.7	.7								7.1	5.8
W	6.4	16.3										22.7	3.9
WNW	.7	5.7										6.4	4.8
NW	.7	2.1	2.1	4.3								9.2	8.8
NNW	1.4	1.4	4.3	.7								7.8	6.7
VARBL													
CALM												14.2	
	24.1	41.1	12.8	7.8								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

141

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	4.1	2.7	1.7	.4	.1						11.2	6.9
NNE	.9	1.1	.2	.2								2.3	5.0
NE	.9	.3	.1									1.2	3.1
ENE	.7	.6	.1									1.4	3.6
E	2.3	.9	.6									3.8	3.8
ESE	1.1	1.8	1.0									3.8	5.0
SE	2.0	3.3	1.3	.4								7.1	5.4
SSE	1.9	2.7	1.8	.6								6.9	5.8
S	3.1	2.5	2.3	1.1	.3							9.2	6.2
SSW	1.6	1.1		.1								2.7	3.5
SW	1.2	.6	.2	.1	.1							2.2	4.3
WSW	1.5	1.4	.3	.3								3.5	4.4
W	2.4	4.2	.2	.1								6.8	4.0
WNW	.8	2.3	.4									3.5	4.8
NW	1.1	2.7	1.0	1.1	.1							5.9	6.5
NNW	1.9	2.6	1.9	2.6	.4	.2						9.5	8.5
VARBL													
CALM												18.9	
	25.6	32.0	13.8	8.1	1.3	.3						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

1128

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

01  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	3.9	2.6									7.1	5.6
NNE	.6	.6										1.3	4.0
NE		.6										.6	6.0
NNE	1.3	1.3										2.6	3.5
E		.6										.6	4.0
ESE	1.9	2.6										4.5	3.9
SE		1.3	.6									1.9	6.0
SSE	1.3	1.9	.6									3.9	4.5
S	1.3	2.6	.6	1.3								5.8	6.2
SSW	3.2	1.3	.6									5.2	3.6
SW	2.6	1.3	.6									4.5	4.0
WSW	1.9	1.3		.6								3.9	4.5
W	5.8	2.6	.6									9.0	3.1
WNW	1.3	3.9		.6								5.8	5.4
NW	.6	3.9	3.2	2.6								10.3	7.6
NNW	3.9	3.9	4.5	1.9			.6					14.8	7.4
VARBL													
CALM												18.1	
	26.5	33.5	14.2	7.1			.6					100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

2

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

04  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	4.5	2.0	.6								9.0	6.3
NNE	.6	1.3										1.9	4.0
NE			.6									.6	7.0
ENE													
E	1.9	2.6	.6									5.2	4.5
ESE	.6	1.3										1.9	3.7
SE	2.6	3.2										5.8	3.3
SSE	1.9	1.9		.6								4.5	4.9
S	3.2	1.3		.6								5.2	4.5
SSW	1.3	.6	.6									2.6	4.5
SW	1.9	1.9										3.9	3.3
WSW		1.3	.6									1.9	5.7
W	5.2	1.9	.6									7.7	3.2
WNW	3.2	3.9	.6	.6								8.4	4.5
NW	1.3	3.9	1.9	1.3								8.4	6.3
NNW	1.9	7.7	1.3	1.9			.6					13.5	7.2
VARBL													
CALM												19.4	
	27.1	37.4	9.7	5.6			.6					100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LENDORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

MAR  
MONTH

ALL WEATHER  
CLAS

07  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	1.3	.6	1.3		.6						6.5	7.6
NNE		1.3	.6									1.9	5.0
NE		1.3										1.3	5.5
ENE			.6									.6	9.0
E		.6										.6	4.0
ESE		.6	.6	.6								1.9	8.7
SE	1.9	1.3	1.3									4.3	4.3
SSE	1.3	1.3	.6									3.2	4.8
S	3.2	1.9		.6								6.5	6.3
SSW	2.6	1.9										4.5	3.4
SW	1.3											1.3	2.5
WSW	3.9											3.9	2.5
W	1.9	3.9										5.0	3.4
WNW	3.9	4.5										8.4	3.9
NW	3.2	4.5	3.9	1.3								12.9	5.8
NNW	3.9	3.9	3.2	2.6								13.5	6.7
VARBL													
CALM												22.6	
	29.7	28.4	11.6	6.5	.6	.6						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

155

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NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

10  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	3.9	11.0	6.5	1.3							25.2	8.8
NNE	1.3	1.3										2.6	3.3
NE	1.9											1.9	2.3
ENE		.6										.6	4.0
E	1.3	1.3										2.6	3.5
ESE	1.9	1.3										3.2	3.2
SE	2.6	3.9	1.3									7.7	4.6
SSE	.6	1.9	2.6	1.9	.6							7.7	9.2
S	2.6	2.6	1.9	.6	.6	.6						9.0	7.2
SSW	.6		1.9									2.6	6.3
SW													
WSW													
W		.6										.6	5.0
WNW	.6	.6				.6						1.9	9.7
NW	.6	1.3	1.3	1.3	.6							5.2	9.6
NNW	1.9	2.6	9.0	4.5	3.2	.6						21.9	10.3
VARBL													
CALM												7.1	
	18.7	21.9	29.0	14.8	6.5	1.9						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

13  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	4.3	7.7	1.3	1.9	.6						19.4	8.5
NNE		3.2	.6	.6								4.5	6.3
NE	.6	1.9										2.6	4.8
ENE		1.9										1.9	4.0
E	.6	3.9	1.3									5.8	5.2
ESE	1.9	1.9	1.9	.6								6.5	6.3
SE		1.3	.6	.6								2.6	8.3
SSE	.6	1.9	3.2	.6								6.5	6.6
S	.6	3.9	2.6	3.2	.6							11.0	8.7
SSW		1.3										1.3	4.5
SW				.6								.6	14.0
WSW	.6		.6									1.3	6.0
W	.6		.6									1.3	4.5
WNW	.6		.6									1.3	4.5
NW	1.3	.6	3.2	.6	.6							6.5	8.0
NNW	2.6	3.9	5.8	2.6	4.5	1.3						20.6	11.0
VARBL													
CALM												6.5	
	13.5	30.3	29.0	11.0	7.7	1.9						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

16  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	5.2	9.7	8.4	3.2	.6						31.6	9.6
NNE		3.2	2.6									5.8	6.2
NE	1.3	1.3										2.6	3.3
ENE	1.9	1.9	.6									4.5	4.1
E	1.3	4.5	1.3									7.1	4.6
ESE		2.6	1.3	.6								4.5	6.4
SE	.6	1.3	1.3	.6								3.9	7.0
SSE	1.9	.6	1.3	.6								4.5	6.3
S	.6		1.3	.6								2.6	8.0
SSW			.6	.6								1.3	10.5
SW		.6	.6	.6								1.9	7.7
WSW				3.2								3.2	12.2
W		1.3		.6								1.9	6.3
WNW	.6		.6									1.3	5.0
NW	1.3	1.9	2.6	.6	.6							7.1	7.8
NNW		1.3	3.2	3.2	1.9	.6						10.3	12.6
VARBL													
CALM												5.8	
	14.2	25.8	27.1	20.0	5.8	1.3						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

19  
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.8	7.1	3.2	2.6								18.7	5.8
NNE	2.6	2.6		.6								5.8	4.8
NE	.6											.6	3.0
ENE	1.3											1.3	3.0
E	.6	1.9										2.6	4.3
ESE	1.3	.6	.6									2.6	4.3
SE	.6	.6		.6								2.6	4.3
SSE	2.6	1.3	.6									1.9	6.0
S		1.9	.6	.6								4.5	4.1
SSW		.6	.6			.6						3.2	6.2
SW	.6	1.3	1.3									1.9	11.7
WSW	.6	.6	.6	.6								3.2	5.6
W	1.3	.6	.6									2.6	7.0
WNW	1.3	1.9										3.2	4.5
NW	3.2	5.8	1.9	1.3								12.3	5.5
NNW	2.6	6.5	3.2	3.2	.6							16.1	7.4
VARBL													
CALM												16.8	
	25.2	33.5	13.5	9.7	.6	.6						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

22  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.6	.6	1.3								4.5	7.6
NNE													
NE													
ENE													
E	.6		.6										
ESE	1.9	.6	.6									1.3	5.5
SE	.6	1.3	.6									3.2	3.6
SSE	1.9	1.3	.6									2.6	4.5
S	1.3	1.3	.6	.6								3.9	4.0
SSW	1.9	1.3	.6									4.5	8.1
SW	1.9	1.9	.6									3.9	3.8
WSW	4.5	2.6	1.3									4.5	4.6
W	5.8	9.0	.6									8.4	3.5
WNW	1.9	7.7	2.6	.6								15.5	4.0
NW	1.9	4.5	1.3	1.9			.6					12.9	5.9
NNW		4.5	4.5	2.6	.6							10.3	8.1
VARBL												12.3	9.2
CALM												12.3	
	24.5	38.7	15.5	7.1	1.3		.6					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	4.1	4.8	2.7	.8	.2						15.2	8.0
NNE	.6	1.7	.5	.2								3.0	5.2
NE	.6	.6	.1									1.3	4.1
ENE	.6	.7	.2									1.5	4.1
E	.8	1.9	.5									3.2	4.6
ESE	1.2	1.5	.6	.2								3.5	5.1
SE	1.1	1.8	.7	.2								3.9	5.1
SSE	1.5	1.5	1.2	.5	.1							4.8	6.0
S	1.6	1.9	1.0	1.0	.3	.1						6.0	7.1
SSW	1.2	.9	.6	.1		.1						2.9	5.1
SW	1.0	.9	.4	.2								2.5	4.8
WSW	1.5	.7	.4	.6								3.1	5.3
W	2.6	2.5	.4	.1								5.6	3.8
WNW	1.7	2.8	.6	.2		.1						5.4	5.1
NW	1.7	3.3	2.4	1.4	.2		.1					9.1	7.0
NNW	2.1	4.3	4.4	2.8	1.4	.3	.2					15.4	9.1
VARBL													
CALM												13.5	
	22.4	31.2	18.7	10.2	2.8	.8	.2					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

1240

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

01  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.7	6.7	5.3	1.3								18.0	6.0
NNE	2.7	1.3	.7									4.7	3.9
NE													
ENE													
E	.7											.7	1.0
ESE	2.0											2.0	2.3
SE													
SSE		1.3										1.3	4.5
S	1.3	.7		.7								2.7	6.3
SSW	.7	.7										1.3	3.5
SW	.7											.7	3.0
WSW	4.7	2.7										7.3	3.1
W	4.0	8.7										12.7	3.8
WNW	1.3	1.3										2.7	3.5
NW	2.7	6.7	5.3	1.3	1.3							17.3	7.3
NNW	3.3	7.3	5.3	2.0								18.0	6.4
VARBL													
CALM												10.7	
	28.7	37.3	16.7	5.3	1.3							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

04  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	4.7	4.7									12.0	5.6
NNE	.7											.7	3.0
NE													
ENE	.7											.7	3.0
E	.7											.7	3.0
ESE	.7											.7	1.0
SE		2.7										2.7	4.3
SSE	.7											.7	3.0
S	2.0	2.0	.7									4.7	4.4
SSW	2.0	2.0										4.0	3.3
SW	.7	2.7										3.3	4.0
WSW	4.7	2.0										6.7	3.0
W	5.3	4.0	1.3									10.7	3.9
WNW	3.3	3.3	.7									7.3	4.0
NW	.7	6.7	2.7	.7								10.7	6.4
NNW	1.3	6.0	6.7	2.7								16.7	7.3
VARBL													
CALM												18.0	
	26.0	36.0	16.7	2.7	.7							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

150

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION NAME  
LEONARDO, CALIFORNIA

73-77

YEARS

APR  
MONTH

ALL WEATHER

07  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	6.0	1.3	3.3								12.7	6.9
NNE													
NE	.7		.7									1.3	4.5
ENE	.7											.7	2.0
E	1.3											1.3	2.5
ESE	2.0	.7										2.7	2.8
SE	2.0	.7	.7									3.3	3.8
SSE	1.3	.7	.7									2.7	4.5
S	2.7	2.7										5.3	3.6
SSW	2.0	2.0										4.0	3.7
SW	.7	1.3										2.0	4.0
WSW	2.7	2.0										4.7	3.7
W	2.7	4.0	.7									7.3	4.0
WNW	4.7	3.3	.7									8.7	3.7
NW	2.7	5.3	6.0	.7								14.7	6.5
NNW	1.3	4.0	6.0	2.0	.7	1.3						15.3	9.3
VARBL													
CALM												13.3	
	29.3	32.7	16.7	5.3	1.3	1.3						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

10  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	4.0	11.3	8.7								27.3	8.7
NNE	2.0	3.3	1.3	.7								7.3	5.4
NE	2.0	1.3										3.3	3.4
ENE	2.0											2.0	1.7
E	.7	.7										1.3	4.5
ESE	.7		.7									1.3	5.5
SE		.7	1.3	.7								2.7	8.5
SSE	.7	.7	1.3									2.7	5.5
S	2.0	1.3	.7	.7	.7							5.3	6.6
SSW		3.3										3.3	4.8
SW	.7	1.3										2.0	5.0
WSW		.7										.7	4.0
W	2.0	2.0										4.0	3.3
WNNW	.7	.7										1.3	3.0
NW	.7	3.3	2.0	.7		.7						7.3	8.5
NNW		4.0	5.3	10.0	2.7	2.0	.7					24.7	12.9
VARB													
CALM												3.3	
	17.3	27.3	24.0	21.3	3.3	2.7	.7					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LENDURE, CALIFORNIA  
STATION NAME

73-77  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

13  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	4.0	10.7	6.0	.7							23.3	8.7
NNE	1.3	2.7	1.3									5.3	4.6
NE	1.3		2.0	.7								4.0	6.0
ENE	2.0		.7									2.7	3.3
E	2.0	2.0										4.0	3.5
ESE	.7		.7									1.3	4.5
SE	1.3	1.3	1.3									4.0	5.3
SSE	1.3	2.7	.7	.7								5.3	5.3
S	.7	.7	.7									1.3	7.5
SSW	.7	2.7	.7	.7								4.7	6.4
SW	1.3		1.3	.7								3.3	6.8
WSW	1.3											1.3	3.0
W	1.3	2.0	1.3									4.7	5.1
WNW	.7	2.0	.7									3.3	5.2
NW	.7	1.3	2.7	.7		.7						6.0	9.3
NNW	.7	6.0	5.3	6.0	3.3	.7						22.0	11.0
VARB													
CALM												3.3	
	18.7	27.3	30.0	15.3	4.0	1.3						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

16  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		4.7	12.7	13.3	1.3							32.0	10.3
NNE	2.7	2.7	6.0	.7								12.0	6.7
NIE	.7	2.7										3.3	5.2
ENE	1.3	2.7	.7									4.7	5.0
E	2.0	1.3	.7									4.0	4.0
ESE		2.0										2.0	5.7
SE	.7		.7									1.3	6.5
SSE					.7							.7	16.0
S	.7	2.0										2.7	4.3
SSW	.7		1.3									2.0	6.0
SW				1.3								1.3	13.5
WSW				2.7	.7							3.3	14.2
W		.7	.7	2.7	.7							4.7	13.0
WNW			1.3									1.3	9.0
NW		2.0	2.0	.7								4.7	8.6
NNW	.7	2.0	4.0	7.3	3.3	.7						18.0	12.5
VARBL													
CALM												2.0	
	9.3	22.1	30.0	28.7	6.7	.7						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

19  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.7	19.3	8.0									32.0	5.4
NNE	2.0	2.7	.7									5.3	4.0
NE			.7									.7	7.0
ENE	.7	1.3										2.0	4.0
E	2.0	2.7										4.7	3.6
ESE													
SE													
SSE			.7									.7	7.0
S	.7											.7	3.0
SSW				.7								.7	11.0
SW			1.3	.7								2.0	9.3
WSW	.7	.7	2.7	.7	1.3							6.0	10.3
W	1.3	1.3	1.3	.7								4.7	6.3
WNW	.7		2.0									2.7	7.3
NW	2.0	2.0	2.7	2.7								9.3	8.2
NNW	1.3	14.0	6.7	3.3								25.3	6.6
VARBL													
CALM												3.3	
	16.0	44.0	26.7	8.7	1.3							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

22  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.0	2.7		.7							5.3	7.3
NNE			.7									.7	8.0
NE	.7											.7	2.0
ENE													
E	.7											.7	2.0
ESE													
SE													
SSE		.7										.7	4.0
S	.7	1.3	.7									2.7	4.8
SSW	.7	1.3										2.0	4.0
SW	.7	1.3		.7								2.7	5.5
WSW	1.3	2.0	2.0									5.3	5.4
W	5.3	9.3	1.3									16.0	4.3
WNW	2.0	14.0	4.0									20.0	5.4
NW	1.3	10.0	7.3	2.7	1.3							22.7	7.7
NNW	.7	5.3	7.3	2.7								16.0	7.8
VARBL													
CALM												4.7	
	14.0	47.3	26.0	6.0	2.0							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	6.4	7.1	4.1	.3							20.3	7.7
NNE	1.4	1.0	1.3	.2								4.5	5.3
NE	.7	.3	.4	.1								1.7	4.9
ENE	.9	.3	.2									1.6	3.7
E	1.2	.6	.1									2.2	3.5
ESE	.7	.3	.2									1.2	3.7
SE	.5	.7	.5	.1								1.7	5.5
SSE	.5	.7	.4	.1	.1							1.8	5.6
S	1.2	1.3	.3	.2	.1							3.2	5.1
SSW	.8	1.3	.2	.2								2.7	4.8
SW	.6	.6	.3	.4								2.2	6.2
WSW	1.9	1.2	.6	.4	.2							4.4	5.8
W	2.7	4.0	.8	.4	.1							8.1	4.9
WNW	1.7	3.1	1.2									5.9	4.9
NW	1.3	4.7	3.8	1.1	.3	.2						11.6	7.5
NNW	1.2	6.1	5.8	4.5	1.2	.6	.1					19.5	9.3
VARBL													
CALM												7.3	
	19.9	34.3	23.3	11.7	2.6	.7	.1					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

1200

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

01  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	12.3	11.6	2.6								28.4	6.5
NNE	.6	.6										1.3	3.5
NIE	1.3											1.3	2.5
ENE													
E	.6											.6	2.0
ESE	.6											.6	3.0
SE													
SSE													
S		1.3										1.3	5.5
SSW	1.3	.6										1.9	3.0
SW	.6											.6	3.0
WSW	1.3	1.3										2.6	3.5
W	.6	1.3										1.9	4.3
WNW	1.9	4.2	1.9									8.4	4.7
NW	1.3	5.2	3.2	1.9								11.6	6.5
NNW	2.6	9.0	11.0	7.1								29.7	7.7
VARBL													
CALM												9.7	
	14.8	36.1	27.7	11.6								100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

04  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	6.3	5.8	.6								14.8	6.3
NNE		.6										.6	4.0
NE													
ENE													
E													
ESE	.6	.6										1.3	3.0
SE	.6	.6										1.3	4.5
SSE	.6											.6	3.0
S	1.9	2.0										4.5	3.4
SSW	.6											.6	2.0
SW	1.3											1.3	2.0
WSW	1.9	1.9										3.9	3.5
W	4.5	7.7										12.3	3.8
WNW	3.9	5.2	.6									9.7	4.0
NW	6.5	11.0	7.1									24.5	5.3
NNW	3.9	5.8	8.4	1.3								19.4	6.3
VABL													
CALM												5.2	
	28.4	42.0	21.9	1.9								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

07  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	5.6	5.8	2.6								14.8	7.4
NNE	1.9	.6										2.6	3.3
NE	.6											.6	3.0
ENE	.6											.6	1.0
E		1.3										1.3	4.5
ESE	.6											.6	3.0
SE	.6	.6										1.3	2.5
SSE	.6		.6									1.3	6.0
S	.6	.6	.6									1.9	5.3
SSW	.6	.6										1.3	3.0
SW													
WSW	2.6	.6										3.2	2.6
W	2.6	1.3										3.9	3.5
WNW	1.3	7.7	3.9		.6							13.5	6.3
NW	1.3	7.7	11.0	1.9								21.9	7.0
NNW	1.3	6.5	11.6	7.1								26.5	8.7
VARBL													
CALM												4.5	
	16.1	32.9	34.2	11.6	.6							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

10  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.9	7.1	18.1	7.1								34.2	8.4
NNE		3.9	1.9									5.8	5.9
NE	1.3	.6										1.9	3.0
ENE	1.9											1.9	2.7
E	2.6		.6									3.2	3.4
ESE	.6	.6										1.3	3.5
SE	.6	.6										1.3	3.5
SSE	.6											.6	1.0
S	.6	.6	.6									1.9	5.0
SSW	.6											.6	1.0
SW	.6	.6										1.3	3.5
WSW	1.3											1.3	3.0
W	1.9	1.3										3.2	3.2
WNW	.6	.6	2.6									3.9	6.5
NW	.6	6.5	5.2	1.9								14.2	7.4
NNW	1.3	6.5	11.0	3.2	.6							22.6	8.1
VARBL													
CALM												.6	
	17.4	29.0	40.0	12.3	.6							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

13  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	7.7	10.1	9.0	.6							36.1	8.5
NNE	.6	1.9	4.5	1.3								8.4	8.2
NE	.6	1.9	.6									3.2	4.6
ENE	1.9	.6	.6									2.6	2.8
E	.6	1.9	.6									3.2	4.6
ESE	.6											.6	2.0
SE		.6										.6	4.0
SSE		.6										.6	5.0
S	.6	.6										1.3	3.0
SSW	.6	.6	.6									.6	7.0
SW	.6	.6	.6	.6								1.9	6.7
WSW	3.2	1.3	.6									1.3	5.0
W	1.3	2.6	.6									4.3	3.9
WNW	1.9	1.9	5.2									3.9	3.3
NW	1.3	2.6	11.6	3.2	.6							9.7	7.4
NNW												18.7	8.0
VARBL													
CALM												2.6	
	16.1	25.2	40.6	14.2	1.3							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

16  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		7.1	23.2	19.4	1.9							51.6	9.9
NNE		3.9	5.2	1.3								10.3	7.9
NE	.6	1.3	2.6									4.5	7.4
ENE		1.9										1.9	5.0
E		1.3	.6	.6								2.6	7.5
ESE	.6											.6	3.0
SE													
SSE		.6		.6								1.3	8.5
S			.6									.6	9.0
SSW													
SW													
WSW			.6	.6								.6	14.0
W			.6									1.3	6.0
WNW													
NW		1.3	3.2	.6								5.2	7.9
NNW	.6	2.6	5.2	8.4	1.3							18.1	10.5
VARBL													
CALM												1.3	
	1.9	20.6	41.3	31.6	3.2							100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

19  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	18.7	20.6	7.1	.6							48.4	7.6
NNE		1.3										1.3	4.5
NE	.6	1.3	.6	.6								3.2	6.0
ENE		.6										.6	4.0
E	1.3	.6										1.9	3.7
ESE													
SE				.6								.6	15.0
SSE												.6	3.0
S	.6												
SSW													
SW		.6	.6	.6								.6	4.0
WSW	.6	.6	.6	.6								2.6	7.5
W		.6		.6								1.3	8.0
WNW	.6			.6								1.3	9.0
NW		4.5	.6	1.3								6.5	6.8
NNW	.6	11.0	9.7	9.0	.6							31.0	8.6
VARBL													
CALM												.0	
	5.8	40.0	32.3	20.6	1.3							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

155



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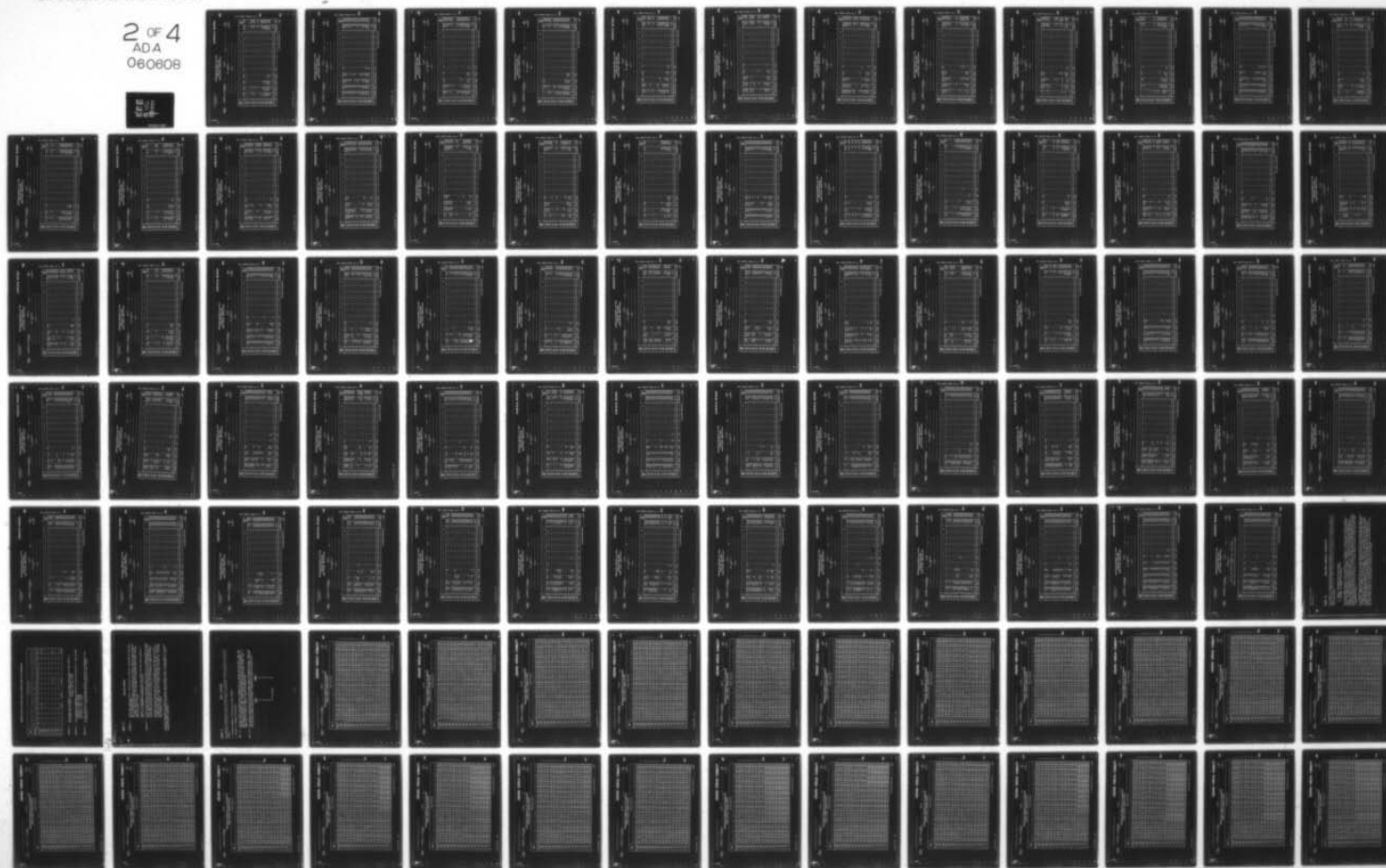
NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C  
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS), LEMOORE--ETC(U)  
JUL 78

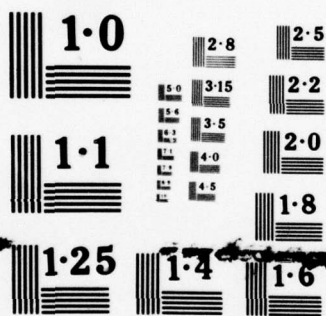
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NATIONAL BUREAU OF STANDARDS  
MICROCOPY RESOLUTION TEST CHART

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

22  
HOURS (L.S.T.)

CONDITION

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.9	4.5	1.3	.6							10.3	7.9
NNE													
NE													
ENE													
E		.6										.6	4.0
ESE	.6											.6	2.0
SE		.6										.6	4.0
SSE													
S		.6										.6	4.0
SSW													
SW	.6											.6	2.0
WSW		.6	.6									1.3	5.5
W	2.6	5.2	.6									8.4	4.5
WNW	1.3	8.4	3.2									12.9	5.3
NW	1.9	12.3	11.0	7.7								32.9	7.5
NNW	.6	7.1	14.2	7.7								29.7	8.5
VARBL													
CALM												1.3	
	9.7	37.4	34.2	16.8	.6							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	8.4	13.2	6.2	.3							29.8	8.1
NNE	.4	1.2	1.5	.3								3.8	6.8
NE	.6	.6	.5	.1								1.9	5.3
ENE	.6	.3	.1									1.0	3.3
E	.6	.7	.2	.1								1.7	4.6
ESE	.6	.2										.7	2.9
SE	.2	.4		.1								.7	4.9
SSE	.2	.2	.1	.1								.6	5.4
S	.6	.8	.2									1.6	4.4
SSW	.4	.2	.1									.6	3.1
SW	.5	.2		.1								.8	4.0
WSW	1.0	.6	.2	.2								2.1	4.6
W	1.9	2.3	.2	.1								4.6	4.2
WNW	1.4	3.6	1.5	.1	.1							6.7	5.3
NW	1.7	6.3	5.8	1.9	.1							15.8	6.9
NNW	1.5	6.4	10.3	5.9	.3							24.4	8.3
VARB													
CALM												3.1	
	13.8	33.0	34.0	15.1	1.0							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

01  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	9.3	8.7	.7								22.0	5.9
NNE	1.3	1.3										2.7	3.3
NE	.7	.7										1.3	3.0
ENE		.7										.7	4.0
E	.7											.7	2.0
ESE		.7										.7	5.0
SE													
SSE													
S	1.3											1.3	2.5
SSW	.7											.7	3.0
SW	.7	.7	.7									2.0	4.3
WSW	1.3		.7									2.0	5.0
W	2.7	3.3										6.0	4.0
WNW	1.3	2.7										4.0	4.3
NW	2.0	5.3	4.0	3.3								14.7	7.3
NNW	1.3	15.3	15.3	4.7	.7							37.3	7.6
VARBL													
CALM												4.0	
	17.3	40.0	29.3	8.7	.7							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

04  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		5.3	3.3									8.7	5.8
NNE		.7										.7	5.0
NE		.7										.7	4.0
ENE	.7	.7										1.3	3.0
E	.7											.7	3.0
ESE													
SE		1.3										1.3	4.0
SSE	.7	.7										1.3	3.5
S	.7											.7	3.0
SSW	1.3	1.3										2.7	3.3
SW	1.3	.7										2.0	2.7
WSW	.7	1.3										2.0	3.3
W	6.0	4.7										10.7	3.5
WNW	1.3	12.7	2.0									16.0	5.0
NW	2.0	10.0	2.7	1.3								16.0	5.7
NNW	2.7	13.3	12.0	1.3								29.3	6.7
VARBL													
CALM												6.0	
	18.0	53.3	20.0	2.7								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

07  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	6.0	13.3	2.7								23.3	7.9
NNE	1.3	1.3										2.7	4.0
NE													
ENE	.7											.7	2.0
E		.7										.7	5.0
ESE													
SE	.7											.7	3.0
SSE													
S													
SSW	.7	2.0										2.7	4.3
SW	.7		1.3									2.0	6.3
WSW	1.3											1.3	2.5
W	2.0	3.3										5.3	3.9
WNW	2.7	2.0	.7									5.3	4.1
NW	.7	8.0	7.3	.7								16.7	6.5
NNW	1.3	7.3	17.3	6.0	1.3							33.3	8.5
VARBL													
CALM												5.3	
	13.3	30.7	40.0	9.3	1.3							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

10  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.7	8.0	12.0	5.3	1.3							31.3	7.8
NNE	1.3	4.7	2.0									8.0	5.0
NE	2.0	1.3	.7									4.0	4.5
ENE													
E	2.7	.7										3.3	2.2
ESE	1.3		.7									2.0	5.0
SE		1.3										1.3	5.5
SSE													
S													
SSW		.7		.7								1.3	8.5
SW	.7											.7	3.0
WSW													
W	.7	.7										1.3	3.5
WNW	2.7	2.7										5.3	3.8
NW	1.3	3.3	4.7	.7	.7							10.7	7.6
NNW	1.3	6.7	13.3	6.0								27.3	8.5
VARBL													
CALM												3.3	
	18.7	30.0	33.3	12.7	2.0							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

13  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	8.0	10.0	6.7	.7							28.7	7.8
NNE	2.0	6.7	4.7									13.3	5.8
NE	1.3	4.7	2.0									8.0	4.8
ENE	1.3	2.0	.7									4.0	4.2
E	2.0	2.7	.7									5.3	4.4
ESE													
SE	1.3											1.3	1.5
SSE	.7											.7	1.0
S		.7										.7	5.0
SSW													
SW	.7			.7								1.3	7.5
WSW	.7	1.3	.7		.7							3.3	7.6
W	.7	.7										1.3	4.0
WNW	1.3	.7	1.3									3.3	4.8
NW	2.0	2.7	4.7	1.3								10.7	6.6
NNW	1.3	4.7	8.0	2.7	.7							17.3	8.0
VARBL													
CALM												.7	
	16.7	34.7	32.7	11.3	2.0							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

16  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	4.0	14.7	11.3	2.7							35.3	9.9
NNE	1.3	5.3	11.3	2.0								20.0	7.9
NE	1.3	2.0	4.0	.7								8.0	6.8
ENE		.7	.7									1.3	6.0
E	.7	.7	2.0									3.3	6.2
ESE													
SE													
SSE													
S		.7										.7	4.0
SSW													
SW	.7											.7	1.0
WSW			.7		.7							1.3	13.5
W			.7		.7							1.3	12.5
WNW	.7	.7	.7		.7							2.7	8.8
NW		1.3	.7	1.3								3.3	9.2
NNW	2.0	1.3	7.3	8.0	.7							19.3	10.2
VARBL													
CALM												2.7	
	9.3	16.7	42.7	23.3	5.3							100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEAR

JUN  
MONTH

ALL WEATHER  
CLASS

19  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	18.7	17.3	6.7								43.3	7.6
NNE		2.7	2.0	1.3								6.0	7.2
NE		.7	.7									1.3	6.5
ENE	.7	.7	.7									2.0	4.7
E		2.0										2.0	5.7
ESE													
SE													
SSE													
S			.7									.7	9.0
SSW			.7									.7	7.0
SW													
WSW				.7								.7	12.0
W	.7	1.3	1.3	.7								4.0	7.2
WNW													
NW	.7	2.0		2.0								4.7	8.1
NNW		10.7	11.3	10.0	2.0							34.0	8.9
VARBL													
CALM												.7	
	2.7	38.7	34.7	21.3	2.0							100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

22  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.0	2.0	1.3								5.3	8.5
NNE			.7		.7							1.3	14.0
NE		.7										.7	4.0
ENE													
E													
ESE													
SE													
SSE													
S	.7											.7	3.0
SSW	1.3											1.3	2.5
SW		2.7		.7								3.3	7.2
WSW		6.0	1.3									7.3	5.2
W		8.7	2.7									12.7	5.6
WNW	1.3	10.0	14.7	4.0								30.7	7.4
NW	2.0	10.0	12.0	10.7	1.3							34.7	9.1
NNW	.7	10.0	12.0	10.7	1.3							2.0	
VARBL													
CALM													
	6.0	40.0	33.3	16.7	2.0							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	7.7	10.2	4.3	.6							24.7	7.9
NNE	.9	2.6	2.6	.4	.1							6.8	6.6
NE	.7	1.3	.9	.1								3.0	5.4
ENE	.4	.6	.2									1.2	4.2
E	.8	.6	.3									2.0	4.3
ESE	.2	.1	.1									.3	5.0
SE	.2	.3										.6	3.6
SSE	.2	.1										.2	2.7
S	.3	.2	.1									.6	4.1
SSW	.3	.2	.1	.1								1.0	4.8
SW	.7	.2	.2	.1								1.2	4.3
WSW	.5	.7	.2	.2	.2							1.7	6.8
W	1.6	2.5	.4	.1	.1							4.7	4.7
WNW	1.4	.7	.9		.1							6.2	5.1
NW	1.3	5.3	4.8	1.8	.1							13.4	7.0
NNW	1.3	8.7	12.1	6.2	.8							29.1	8.4
VARBL													
CALM												3.1	
	13.0	35.5	33.2	13.2	1.9							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

1200

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LENDORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

01  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	8.4	11.6	1.3								23.9	6.6
NNE		1.3										1.3	6.0
NE		.6	.6									1.3	6.0
ENE													
E													
ESE	.6											.6	2.0
SE													
SSE													
S		1.3										1.3	4.0
SSW													
SW		.6										.6	4.0
WSW	.6											.6	1.0
W	2.6	1.9										4.5	3.4
WNW	2.6	1.3	.6									4.5	3.7
NW	2.6	7.1	8.4									18.1	5.7
NNW	2.6	14.2	20.0	2.6								39.4	7.0
VARBL													
CALM												3.9	
	14.2	36.8	41.3	3.9								100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

04  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	5.2	.6									7.1	4.5
NNE													
NE													
ENE	.6	.6										1.3	3.5
E													
ESE													
SE													
SSE													
S	1.3											1.3	2.5
SSW	1.9	.6										2.6	2.5
SW	3.2	1.3										4.5	2.9
WSW	1.9	1.3										3.2	3.4
W	3.2	8.4										11.6	3.9
WNW	4.5	11.0	.6									16.1	4.2
NW	2.6	14.2	3.2									20.0	5.1
NNW	4.5	12.3	7.7									24.5	5.3
VARBL													
CALM												7.7	
	25.2	54.8	12.3									100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

07  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	3.2	5.8	.6								10.3	7.1
NNE													
NE													
ENE													
E													
ESE	.6											.6	2.0
SE		.6										.6	4.0
SSE													
S													
SSW													
SW	1.9	1.3										3.2	3.2
WSW	.6	.6										1.3	3.5
W	.6	4.5										5.2	4.5
WNW	1.9	8.4	4.5									14.8	5.5
NW	4.5	12.9	14.2									31.6	6.1
NNW	4.5	11.6	12.3	1.3								29.7	6.1
VARB													
CALM												2.6	
	15.5	43.2	36.8	1.9								100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

10  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	8.4	12.9	12.9	2.6								36.8	6.1
NNE	2.6	3.9	.6									7.1	4.3
NE	.6	.6										1.3	4.5
ENE	1.3	.6	.6									2.6	4.8
E	3.2	.6	.6									3.9	3.2
ESE													
SE	.6											.6	2.0
SSE		.6										.6	6.0
S	1.3											1.3	2.5
SSW	.6		.6									1.3	6.5
SW													
WSW	1.3	.6										1.9	3.3
W	1.3	1.9										3.2	3.4
WNW	.6	3.9	.6									3.2	4.9
NW	1.3	7.7	2.6									11.6	5.4
NNW	.6	8.4	9.7	.6								19.4	6.8
VARBL													
CALM												3.2	
	23.9	41.3	28.4	3.2								100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

13  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	7.1	16.8	1.3								28.4	6.7
NNE	2.6	10.3	1.9	.6								15.5	5.0
NE	1.9	1.3	.6									3.9	4.2
ENE	.6	1.9										2.6	4.0
E	.6	1.3										1.9	4.0
ESE		1.3										1.3	4.0
SE	1.9											1.9	2.3
SSE													
S	.6											.6	2.0
SSW	.6	.6										1.3	4.0
SW	.6	.6	.6									1.9	4.7
WSW		.6		.6								1.3	7.5
W	1.9	5.2										7.1	3.7
WRW	1.3	2.6	1.9									5.8	5.6
NW	1.9	2.6	3.2									7.7	5.8
NNW	4.5	5.2	5.8	1.3								16.8	6.3
VARBL													
CALM												1.9	
	22.6	40.6	31.0	3.9								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

16  
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	9.0	20.0	7.1								37.4	8.1
NNE		3.2	8.4	5.2								16.8	8.9
NE		3.9	5.8	.6								10.3	7.2
ENE	1.3	1.3	1.9									4.3	5.6
E	.6	1.3	1.3									3.2	6.8
ESE													
SE													
SSE	.6											.6	3.0
S													
SSW													
SW													
WSW				.6								.6	16.0
W		.6										.6	4.0
WNW			1.3									1.3	8.0
NW		1.9	1.3									3.2	5.8
NNW	1.3	5.2	10.3	3.9								20.6	8.3
VARBL													
CALM												.6	
	5.2	26.5	50.3	17.4								100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOURE, CALIFORNIA  
STATION NAME

73-77  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

19  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	14.8	23.9	3.9								43.2	7.5
NNE		4.3	1.3									5.8	5.6
NE		1.3	1.9									3.2	6.2
ENE	.6											.6	3.0
E				.6								.6	15.0
ESE													
SE													
SSE		.6		.6								1.3	8.5
S													
SSW													
SW	.6											.6	3.0
WSW	.6	.6										1.3	3.5
W				.6								.6	14.0
WNW			.6									.6	8.0
NW	.6	2.6	2.6	1.3								7.1	7.1
NNW	1.3	11.0	18.1	4.5								34.8	7.5
VARBL													
CALM												.0	
	4.5	35.5	48.4	11.6								100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

22  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	2.6									4.5	6.9
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW		1.3	.6									1.9	6.3
WSW		.6										.6	6.0
W	1.3	3.9										5.2	4.0
WNW		5.2	1.9									7.1	5.5
NW	1.3	18.1	15.5	11.6								46.5	7.7
NNW	.6	7.1	15.5	7.7								31.0	8.6
VARBL													
CALM												3.2	
	3.9	37.4	36.1	19.4								100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	7.7	11.8	2.1								24.0	7.0
NNE	.6	2.9	1.5	.7								5.8	6.4
NE	.3	1.0	1.1	.1								2.5	6.2
ENE	.6	.6	.3									1.5	4.7
E	.6	.3	.2	.1								1.2	5.3
ESE	.2	.2										.3	3.0
SE	.3	.1										.4	2.6
SSE	.1	.2		.1								.3	6.5
S	.4	.2										.6	2.9
SSW	.4	.2	.1									.6	3.9
SW	.8	.6	.2									1.6	3.8
WSW	.6	.6		.2								1.4	4.6
W	1.4	3.3		.1								4.8	4.1
WNW	1.4	4.0	1.5									6.9	5.0
NW	1.9	8.4	6.4	1.6								18.2	6.4
NNW	2.5	9.4	12.4	2.7								27.0	7.0
VARBL													
CALM												2.9	
	14.4	39.5	35.0	7.7								100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

01  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	11.0	2.0	.6								15.5	5.3
NNE													
NE	.6		.6									1.3	5.5
ENE													
E	.6											.6	1.0
ESE													
SE	.6											.6	2.0
SSE													
S	.6	.6										1.3	3.0
SSW													
SW	.6											.6	1.0
WSW	1.3											1.3	2.5
W	5.2	1.9										7.1	2.9
WNW	1.3	2.6	1.3									5.2	5.0
NW	2.6	10.3	7.1	2.6								22.6	6.8
NNW	2.6	18.1	10.3	3.9								34.8	6.5
VARBL													
CALM												9.0	
	17.4	44.5	21.9	7.1								100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

04  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	1.3									3.9	5.0
NNE													
NE													
ENE													
E													
ESE													
SE		.0										.6	4.0
SSE	.6											.6	2.0
S	.6		.6									1.3	5.0
SSW	.6	1.9										2.6	4.0
SW	1.9	1.3										3.9	5.5
WSW	1.9	3.2			.6							5.2	3.6
W	3.2	9.7										12.9	4.2
WNW	4.5	10.3	1.3									16.1	4.4
NW	1.9	10.3	9.7	.6								22.6	6.1
NNW	1.9	11.0	5.8									18.7	5.8
VARBL													
CALM												11.6	
	18.7	49.7	18.7	.6	.6							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

07  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	1.9	5.2	.6								10.3	6.3
NNE	.6											.6	2.0
NE													
ENE													
E													
ESE													
SE	.6	.6										1.3	4.0
SSE													
S	1.3											1.3	3.0
SSW	.6											.6	3.0
SW													
WSW	1.9	1.9										3.9	3.5
W	5.8	4.5										10.3	3.3
WNW	5.8	6.3	1.9									14.2	4.5
NW	2.6	9.7	14.2									26.5	6.3
NNW	.6	7.7	12.3	1.9								22.6	7.1
VARBL													
CALM												8.4	
	22.6	32.9	33.5	2.6								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

10  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.9	14.8	12.3	4.5	.6							36.1	7.1
NNE	.6	5.2	.6									6.5	4.9
NE		1.3										1.3	4.5
ENE	1.3	.6										1.9	2.7
E		.6	.6									1.3	5.5
ESE													
SE		.6										.6	4.0
SSE													
S	1.9											1.9	2.3
SSW		1.3	.6									1.9	5.3
SW	.6											.6	2.0
WSW													
W	1.3	.6										1.9	2.7
WNW		2.6	.6									3.2	5.0
NW	1.3	5.8	6.5									13.5	6.1
NNW	1.9	5.8	10.3	3.9								21.9	7.5
VARB													
CALM												7.1	
	12.9	39.4	31.6	8.4	.6							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

13  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	16.1	11.6	3.2	.6							34.2	6.8
NNE	1.9	5.2	1.3									8.4	4.8
NE	1.9	1.9	.6									4.5	4.1
ENE	.6	2.6	.6									3.9	5.0
E	1.3	.6										1.9	3.3
ESE	1.3		.6									1.9	3.3
SE				.6								.6	15.0
SSE	1.3	1.3										2.6	3.8
S		1.9	.6									2.6	6.0
SSW	.6											.6	3.0
SW		.6										.6	4.0
WSW		1.3										1.3	5.5
W	1.9	3.2	.6									5.8	4.2
WNW	1.3	1.9	1.3									4.5	5.0
NW	1.3	5.2	2.6									9.0	5.3
NNW	1.9	5.2	4.5	3.9								15.5	7.6
VARBL													
CALM												1.9	
	18.1	47.1	24.5	7.7	.6							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

16  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		9.7	24.5	7.7								41.9	8.2
NNE		6.5	11.0	.6								18.7	7.3
NE	1.3	1.9	3.2									6.5	5.8
ENE	1.3	1.9	2.6									5.8	5.8
E	1.3	1.3	.6									3.2	4.4
ESE													
SE		.6	.6	.6								1.9	9.0
SSE													
S		.6	.6									1.3	6.0
SSW	.6											.6	2.0
SW		.6										.6	4.0
WSW	.6	.6										1.3	3.5
W		.6										.6	4.0
WNW		.6	.6									1.3	6.0
NW		1.3	.6	.6								2.6	7.5
NNW		2.6	7.1	2.6								12.3	8.8
VARBL													
CALM												1.3	
	5.2	29.0	52.3	12.3								100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

155

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

23110  
STATION

LEMOURE, CALIFORNIA  
STATION NAME

73-77  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

19  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.2	20.0	12.3	1.3								38.7	5.9
NNE	1.3	1.9	.6									3.9	4.5
NE	.6											.6	2.0
ENE		1.3										1.3	6.0
E	.6											.6	2.0
ESE	.6		1.3									1.9	6.3
SE		.6										.6	5.0
SSE													
S	.6											.6	3.0
SSW			.6									.6	7.0
SW	.6											.6	2.0
WSW													
W		.6	1.3									1.9	7.0
WNW		.6										.6	4.0
NW	1.3	7.1	1.3	.6								10.3	5.6
NNW	5.2	20.6	7.1	1.9	.6							35.5	6.1
VARBL													
CALM												1.9	
	16.1	52.9	24.5	3.9	.6							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

22  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.9	1.9	.6								6.5	6.0
NNE													
NE													
ENE													
E													
ESE												.6	7.0
SE	.6		.6									.6	3.0
SSE													
S													
SSW		.6										.6	5.0
SW	.6											.6	2.0
WSW	1.3	1.3										1.3	4.5
W	1.3	2.6										3.9	4.3
WNW	.6	8.4	4.2									13.5	5.9
NW	2.6	20.0	16.1	2.6								41.3	6.8
NNW	.6	11.0	11.0	5.8								28.4	7.7
VARBL													
CALM												2.6	
	8.4	45.8	34.2	9.0								100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	9.6	9.0	2.3	.2							23.4	6.8
NNE	.6	2.3	1.8	.1								4.8	6.0
NE	.6	.6	.6									1.8	5.0
ENE	.4	.8	.4									1.6	5.1
E	.5	.3	.2									1.0	3.8
ESE	.2	.3	.3									.6	5.1
SE	.2	.4	.1	.2								.9	6.2
SSE	.2	.2										.4	3.4
S	.6	.4	.2									1.3	4.3
SSW	.3	.5	.2									1.0	4.3
SW	.6	.3			.1							1.0	4.0
WSW	.7	1.0										1.8	3.7
W	2.3	3.0	.2									5.6	3.8
WNW	1.7	4.2	1.5									7.3	4.9
NW	1.7	8.7	7.3	.9								18.5	6.4
NNW	1.9	10.2	8.5	3.0	.1							23.7	7.0
VARBL													
CALM												5.5	
	14.9	42.7	30.2	6.5	.3							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

01  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	10.7	1.3	2.0								16.0	5.8
NNE	.7	2.0										2.7	4.3
NE		.7										.7	5.0
ENE													
E		1.3	.7									2.0	5.3
ESE	.7											.7	3.0
SE	.7											.7	2.0
SSE	.7											.7	2.0
S	1.3	.7										2.0	3.3
SSW	.7											.7	2.0
SW			.7									.7	3.0
WSW	2.7	.7										3.3	2.2
W	4.7	5.3	1.3									11.3	4.1
WNW	2.0	5.3	1.3									8.7	4.6
NW	6.7	8.7	5.3									20.7	5.1
NNW	4.0	10.7	3.3	.7								18.7	5.1
VARBL													
CALM												10.7	
	26.7	46.0	14.0	2.7								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

04  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	.7										4.0	3.0
NNE												.7	4.0
NE		.7										.7	4.0
ENE		.7										.7	9.0
E			.7									1.3	2.5
ESE	1.3											1.3	2.5
SE	1.3											.7	4.0
SSE		.7										4.0	3.0
S	2.7	1.3										1.3	3.0
SSW	1.3											6.0	3.6
SW	3.3	2.7										3.3	2.8
WSW	2.0	1.3										12.7	3.7
W	3.3	7.3	.7									14.7	4.3
WNW	4.7	9.3	2.7	.7								26.7	4.8
NW	6.0	16.7	3.3									12.0	5.7
NNW	1.3	7.3										10.0	
VARBL												100.0	3.9
CALM													
	33.3	48.7	7.3	.7									

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

07  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.0	.7									5.3	3.9
NNE	.7											.7	2.0
NE	.7											.7	2.0
ENE	.7											.7	3.0
E													
ESE													
SE	.7	.7										1.3	3.5
SSE			.7									.7	7.0
S	.7		.7									1.3	5.5
SSW	1.3											1.3	2.0
SW	.7	2.0										2.7	4.5
WSW	3.3	2.0										5.3	3.1
W	10.0	8.7										18.7	3.4
WNW	2.7	5.3	4.0									12.0	5.0
NW	2.7	9.3	6.7	.7								19.3	5.8
NNW	1.3	5.3	8.0	.7								15.3	6.8
VARBL													
CALM												14.7	
	28.0	35.3	20.7	1.3								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

10  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	12.0	12.0	2.7								28.0	7.0
NNE	3.3	2.7	.7									6.7	4.0
NE													
ENE	1.3											1.3	2.5
E	2.0		.7									2.7	3.8
ESE		.7										.7	4.0
SE	1.3											1.3	2.0
SSE	.7	.7										1.3	3.0
S	2.0		1.3									3.3	5.0
SSW	1.3	.7	.7									2.7	4.3
SW													
WSW													
W		1.3	.7									2.0	6.3
WNW	2.0	1.3	1.3									4.7	4.7
NW	.7	2.7	5.3	2.0								10.7	7.8
NNW	1.3	9.3	16.0	2.0								28.7	7.0
VARBL													
CALM												6.0	
	17.3	31.3	38.7	6.7								100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

13  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	12.7	14.0	4.0								32.0	6.9
NNE	2.7	3.3	1.3									7.3	4.3
NE		3.3	.7									4.0	5.3
ENE													
E	3.3	2.7										6.0	3.8
ESE	2.0	1.3										3.3	2.8
SE	.7		1.3									2.0	5.3
SSE			1.3									1.3	9.0
S	.7		2.0									2.7	7.0
SSW		.7										.7	4.0
SW	.7											.7	1.0
WSW		.7										.7	4.0
W	.7	2.7										3.3	3.6
WNW	1.3	1.3	.7									3.3	5.4
NW	2.0	2.0	2.7	.7								7.3	6.0
NNW	3.3	7.3	6.7	1.3								18.7	6.3
VARBL													
CALM												6.7	
	18.7	38.0	30.7	6.0								100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

16  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	8.0	24.0	2.7								37.3	7.6
NNE	1.3	6.7	8.0	2.0								18.0	7.0
NE	.7	3.3	2.0									6.0	6.0
ENE	1.3	1.3	.7									3.3	4.8
E		2.7	1.3									4.0	5.0
ESE		.7										.7	4.0
SE	.7	.7	.7									2.0	5.3
SSE	.7	.7										1.3	2.5
S													
SSW	.7											.7	2.0
SW		.7	.7									1.3	6.0
WSW	.7											.7	2.0
W	.7		.7									1.3	6.5
WNW		.7		.7								1.3	10.0
NW	.7	.7	.7									2.0	5.7
NNW	.7	6.0	8.7	1.3								16.7	7.8
VARBL													
CALM												3.3	
	10.7	32.0	47.3	6.7								100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

19  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	10.0	16.0	4.7	.7								31.3	4.5
NNE	.7											.7	3.0
NE													
ENE		1.3										1.3	4.0
E	2.7	1.3										4.0	3.2
ESE			.7									.7	8.0
SE													
SSE													
S													
SSW													
SW			1.3	.7								2.0	10.3
WSW			1.3	.7								2.0	10.0
W	2.0	1.3	.7									3.3	3.6
WNW	.7	.7	.7									2.0	4.7
NW	1.3	9.3	2.0									12.7	5.2
NNW	4.7	22.0	5.3	.7								32.7	5.4
VARBL													
CALM												7.3	
	22.0	52.0	16.0	2.7								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

22  
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	1.3									4.0	4.7
NNE			.7									.7	9.0
NE													
ENE	.7											.7	1.0
E													
ESE	.7											.7	3.0
SE		.7										.7	4.0
SSE													
S		.7										.7	6.0
SSW	.7	.7	1.3									2.7	6.3
SW			.7									.7	9.0
WSW	.7	.7										1.3	2.5
W	4.7	8.0	1.3									14.0	4.1
WNW	4.0	8.0	2.7									14.7	4.7
NW	.7	20.0	10.7	1.3								32.7	6.3
NNW	3.3	10.7	8.0	2.7								24.7	6.5
VARBL													
CALM												2.0	
	16.7	50.7	26.7	4.0								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

150



# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	7.9	7.2	1.5								19.7	6.2
NNE	1.2	1.4	1.3	.2								4.6	5.6
NE	.2	1.0	.3									1.5	5.4
ENE	.5	.4	.1									1.0	3.8
E	1.0	1.0	.4									2.4	4.2
ESE	.6	.4	.1									1.0	3.4
SE	.7	.2	.2									1.2	3.9
SSE	.2	.2	.2									.7	4.7
S	.9	.4	.5									1.7	4.7
SSW	.7	.2	.2									1.2	4.0
SW	.6	.7	.4	.1								1.7	5.3
WSW	1.2	.7	.2	.1								2.1	3.6
W	3.5	4.3	.5									8.3	3.9
WNW	2.2	4.0	1.4	.1								7.7	4.8
NW	2.7	8.7	4.5	.7								16.5	5.7
NNW	2.5	9.8	7.4	1.2								20.9	6.3
VARBL												7.6	
CALM												100.0	5.1
	21.7	41.7	25.2	3.8									

TOTAL NUMBER OF OBSERVATIONS

1200

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

001  
MONTH

ALL WEATHER  
CLASS

01  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.9	1.9	1.9	.6								8.4	5.2
NNE	1.3		.6									1.9	4.3
NE		.6										.6	4.0
ENE													
E	1.9	.6										2.6	3.3
ESE	.6	.6										1.3	4.5
SE	.6											.6	3.0
SSE	1.3											1.3	2.5
S	.6	1.3	.6		.6							3.2	7.6
SSW	3.2	.6										3.9	2.7
SW	2.6	1.3										3.9	3.2
WSW	3.2	1.3										4.5	3.0
W	9.7	1.9		.6								12.3	3.1
WNW	2.6	1.9	.6									5.2	4.1
NW	1.3	6.5	3.2									11.0	5.4
NNW	3.2	3.9	1.3	1.9								10.3	6.1
VARB													
CALM												29.0	
	36.1	22.6	6.4	3.2	.6							100.0	3.2

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

23110  
STATION

LENDORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

007  
MONTH

ALL WEATHER  
CLASS

04  
HOURS (L.S.T.)

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.9	1.9									4.5	6.1
NNE													
NE													
ENE	.6											.6	3.0
E													
ESE													
SE	1.3	.6										1.9	2.7
SSE	2.6	.6										3.2	2.8
S	2.6	1.9	1.3									5.8	4.7
SSW	1.3	1.3										2.6	3.0
SW	3.2	1.3										4.5	3.0
WSW	3.9	1.3										5.2	3.0
W	11.0	8.4										19.4	3.4
WNW	1.9	5.8										7.7	4.2
NW	1.3	7.7	.6									9.7	4.6
NNW	1.9	3.9	.6	1.3								7.7	6.0
VARBL												27.1	
CALM												100.0	3.0
	32.3	34.8	4.5	1.3									

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

OCT  
MONTH

ALL WEATHER  
CLAS

07  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	1.3	1.9	.6								8.4	5.1
NNE	.6											.6	3.0
NE		.6										.6	5.0
ENE													
E	.6											.6	1.0
ESE	1.3		1.3									2.6	5.8
SE	1.3	1.3										2.6	3.3
SSE	1.3	1.9										3.2	3.8
S	1.3											1.3	2.5
SSW	1.3	.6	.6									2.6	4.5
SW	3.9											3.9	2.0
WSW	4.5	1.3										5.8	2.7
W	7.1	3.2	.6									11.0	3.2
WNW	7.1	3.2										10.3	3.0
NW	3.9	2.6	1.3									7.7	4.2
NNW	3.2	2.6	1.3	.6								7.7	4.8
VARBL													
CALM												31.0	
	41.9	18.7	7.1	1.3								100.0	2.6

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LENDURE, CALIFORNIA  
STATION NAME

73-77  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

10  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	9.7	5.2	1.3	.6							20.0	6.5
NNE	2.6	1.3	1.3									5.2	3.9
NE	2.6	.6	.6									3.9	3.5
ENE													
E	2.6	.6										3.2	2.2
ESE	2.6											2.6	2.0
SE		1.3										1.9	4.3
SSE	.6	1.3	.6									2.6	5.5
S	1.3	1.3	1.9									4.5	5.7
SSW		.6										.6	5.0
SW													
WSW													
W		1.3										1.3	5.0
WNW	1.3		.6									1.9	4.0
NW	3.2	1.3	5.2	.6								10.3	6.8
NNW	2.6	6.5	9.7	7.1		.6						26.5	8.6
VARBL													
CALM												15.5	
	22.6	26.5	25.2	9.0	.6	.6						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

UCT  
MONTH

ALL WEATHER  
CLASS

13  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	11.6	5.2	3.2								23.2	6.7
NNE	1.9	3.2	1.9									7.1	3.0
NE	1.9	.6										2.6	3.0
ENE	2.6											2.6	2.5
E	5.2	1.3										6.5	2.8
ESE	1.9	1.3	.6	.6								4.3	5.3
SE		.6	.6									1.3	6.5
SSE	.6	1.3	1.3									3.2	5.4
S	.6		.6	1.3								2.6	9.3
SSW			.6									.6	7.0
SW	.6	.6	.6									1.9	4.3
WSW	.6											.6	2.0
W													
WNW	1.3	.6										1.9	4.0
NW	2.6	1.9	3.2	1.9								9.7	6.9
NNW	1.3	4.5	3.9	2.6	.6	.6						13.5	9.0
VARBL													
CALM												18.1	
	24.5	27.7	16.7	9.7	.6	.6						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

16  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

0800

0800

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	8.4	15.3	4.5	.6							31.6	7.8
NNE	3.2	6.5	3.9	1.3								14.8	5.9
NE	3.9	3.9										7.7	3.8
ENE		2.6										2.6	3.3
E	1.9	3.2	1.3									6.5	4.9
ESE		.6	.6									1.3	8.0
SE													
SSE													
S	.6											.6	2.0
SSW		.6		1.3								1.9	10.3
SW			1.3									1.3	10.0
WSW													
W		.6	1.3									1.9	8.0
WNW	.6	.6										1.3	4.5
NW		1.3	.6									1.9	6.3
NNW	1.9	5.2	5.8	1.9	.6							15.5	7.8
VARBL													
CALM												11.0	
	14.8	33.5	30.3	9.0	1.3							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

19  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	8.4	15.5	1.3	.6								25.8	4.1
NNE	.6											.6	3.0
NE	1.3	.6										1.9	3.7
ENE	.6	.6										1.3	3.0
E	.6	1.9										2.6	3.8
ESE	.6											.6	3.0
SE	.6		.6									1.3	4.3
SSE	.6											.6	3.0
S		.6	.6		.6							1.9	11.0
SSW		1.3	.6									1.9	5.0
SW		1.3										1.3	5.0
WSW		.6	1.3	.6								2.6	8.5
W	1.9	2.6										4.3	3.9
WNW		2.6	.6									3.2	5.4
NW	2.6	7.7										10.3	4.1
NNW	5.2	8.4	3.2	.6								17.4	5.0
VARB													
CALM												21.9	
	23.2	43.9	8.4	1.9	.6							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

22  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.6	.6	.6								3.2	6.8
NNE		.6	.6									1.3	6.0
NE													
ENE		.6	.6									1.3	6.5
E		.6										.6	4.0
ESE		.6										.6	6.0
SE													
SSE													
S	.6	1.9	.6									3.2	5.2
SSW													
SW	1.3	3.2										4.5	3.9
WSW	3.9	3.9	.6	.6								9.0	4.6
W	8.4	9.7										18.1	3.5
WNW	3.9	11.0	.6									15.5	4.3
NW	3.2	9.0	3.9	1.3								17.4	5.7
NNW	1.9	1.9	5.2	.6								9.7	6.7
VARB													
CALM												15.5	
	24.5	43.9	12.9	3.2								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

UCT  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5	6.4	4.2	1.5	.2							15.6	6.2
NNE	1.3	1.5	1.0	.2								4.0	5.2
NE	1.2	.9	.1									2.2	3.6
ENE	.5	.2	.1									1.0	4.1
E	1.6	1.0	.2									2.8	3.5
ESE	.9	.4	.3	.1								1.7	4.9
SE	.5	.6	.2									1.2	3.9
SSE	.9	.6	.2									1.8	4.1
S	1.0	.9	.7	.2	.2							2.9	6.2
SSW	.7	.6	.2	.2								1.8	4.7
SW	1.5	1.0	.2									2.7	3.7
WSW	2.0	1.0	.2	.2								3.5	4.0
W	4.8	3.5	.2	.1								8.5	3.5
WNW	2.3	3.2	.3									5.9	4.0
NW	2.3	4.8	2.3	.5								9.8	5.5
NNW	2.7	4.8	3.9	2.1	.2	.2						13.5	7.1
VARBL													
CALM												21.1	
	27.5	31.5	14.4	4.8	.5	.2						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

01  
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.0										3.3	4.0
NNE	1.3		.7									2.0	4.0
NE	.7											.7	2.0
ENE	.7											.7	3.0
E	2.7	.7										3.3	3.0
ESE	2.0											2.0	2.0
SE	2.7	1.3	2.0									6.0	4.8
SSE	.7	3.3										4.0	4.3
S	2.0		.7	.7								3.3	6.2
SSW		.7										.7	5.0
SW	.7	1.3		.7								2.7	6.5
WSW	2.0	2.7										4.7	3.7
W	9.3	4.0										13.3	3.0
WNW	1.3	4.0										5.3	4.4
NW	1.3	2.0	4.0									7.3	6.5
NNW	2.7	2.7	6.0	1.3								12.7	6.8
VARBL													
CALM												28.0	
	31.3	24.7	13.3	2.7								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

04  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7		.7								2.0	6.0
NNE		.7	.7									1.3	7.0
NE													
ENE		.7										.7	4.0
E	1.3	1.3										2.7	3.0
ESE	2.7	.7	.7									4.0	4.0
SE	2.0	.7	.7									3.3	3.8
SSE	2.7	1.3										4.0	3.0
S	5.3	1.3	1.3									6.0	3.9
SSW	1.3	2.7										4.0	3.5
SW	2.7	.7										3.3	2.6
WSW	2.7	.7		.7								4.0	5.0
W	5.3	5.3										10.7	3.6
WNW	.7	2.7										3.3	4.0
NW	4.7	3.3	2.0	1.3								11.3	5.4
NNW	1.3	4.0	4.0	.7								10.0	6.4
VARBL													
CALM												27.3	
	33.3	26.7	9.3	3.3								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

07  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.7										5.3	3.5
NNE	.7											.7	2.0
NE	.7											.7	2.0
ENE	.7	.7										1.3	3.5
E	2.0											2.0	2.3
ESE	3.3	.7										4.0	3.0
SE	.7	4.0										4.7	4.1
SSE	2.0	.7										2.7	3.3
S	3.3	1.3	1.3									6.0	4.4
SSW	.7	1.3										2.0	4.0
SW		1.3										1.3	4.5
WSW	3.3	2.0										5.3	3.3
W	4.7	3.3										8.0	3.4
WNNW	2.7	1.3										4.0	3.2
NW	2.0	2.7	1.3									6.0	5.1
NNW	3.3	2.7	2.7	2.0								10.7	6.4
VARBL													
CALM												35.3	
	32.7	24.7	5.3	2.0								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

10  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	2.7	5.3	2.7	.7							15.3	7.4
NNE	2.0	3.3										5.3	3.9
NE	2.0	.7										2.7	2.5
ENE	1.3	1.3										2.7	2.8
E	2.7	1.3	.7	1.3								6.0	5.2
ESE	4.0	.7	1.3									6.0	3.6
SE	4.0	1.3	1.3	.7								7.3	5.1
SSE	5.3	1.3	2.0	.7								9.3	4.7
S	1.3	.7	1.3									3.3	3.4
SSW	2.0											2.0	2.0
SW													
WSW													
W	.7		.7									1.3	5.5
WNW		.7	.7									1.3	5.5
NW	1.3	2.0	1.3	2.0								6.7	7.5
NNW	3.3	1.3	4.0	4.7	.7							14.0	8.8
VARBL													
CALM												16.7	
	34.0	17.3	18.7	12.0	1.3							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

150

2

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

13  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.3	6.0	6.7	4.7								24.7	6.7
NNE	4.7	2.7	2.0									9.3	4.0
NE	.7	2.0	.7									3.3	4.4
ENE	2.0	.7										2.7	3.5
E	3.3	1.3	1.3									6.0	4.0
ESE	2.0	1.3	2.0									5.3	4.6
SE	2.7	2.0										6.7	6.7
SSE		1.3	1.3									2.7	6.8
S	2.7	.7	1.3									4.7	4.1
SSW	.7		.7	.7								2.0	6.0
SW	.7											.7	2.0
WSW				.7								.7	15.0
W													
WNW	.7											.7	2.0
NW	2.0	2.0	.7	.7								5.3	6.1
NNW	1.3	3.3	2.7	4.7	1.3							13.3	9.3
VARBL													
CALM												12.0	
	30.7	23.3	19.3	13.3	1.3							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

16  
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.0	5.3	10.0	4.0								25.3	6.9
NNE	6.0	4.0	1.3	.7								12.0	4.5
NE	.7	2.7	.7									4.0	5.0
ENE	.7	2.7										3.3	4.0
E	2.7	2.7										5.3	3.6
ESE	.7	2.7		.7								4.0	6.3
SE	.7	.7	.7	.7								2.7	6.8
SSE	.7	2.0	2.0	.7								5.3	6.5
S	2.7	.7		1.3	.7							4.7	5.9
SSW												.7	18.0
SW													
WSW	.7												
W	.7											.7	3.0
WNW	.7											.7	2.0
NW	2.0	1.3	.7									4.0	4.0
NNW	2.0	4.0	3.3	3.3	.7							13.3	8.5
VARB													
CALM												14.0	
	26.0	28.7	16.7	11.3	1.3							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

NDV  
MONTH

ALL WEATHER  
CLASS

19  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.0	2.7	1.3									10.0	3.7
NNE	1.3	1.3										2.7	3.5
NE	1.3											1.3	2.0
ENE	.7		.7									1.3	4.5
E	3.3											3.3	1.8
ESE	2.7	.7										3.3	2.8
SE	1.3	2.7										4.0	4.2
SSE	3.3	1.3										4.7	3.0
S	2.7	1.3	2.0		.7							6.7	6.6
SSW			.7									.7	8.0
SW	1.3											1.3	3.0
WSW	.7	.7										1.3	3.0
W	2.0	1.3										3.3	3.4
WNW	1.3	2.0										3.3	3.6
NW	2.0	9.3	1.3									12.7	4.9
NNW	3.3	4.0	2.0	.7								10.0	5.3
VARBL													
CALM												30.0	
	33.3	27.3	8.0	.7	.7							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

# SURFACE WINDS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

22  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.0										2.0	4.3
NNE	.7		.7									1.3	5.5
NE	.7											.7	2.0
ENE													
E	.7	.7										1.3	3.0
ESE	2.7	.7										3.3	2.8
SE	2.0	2.0										4.0	3.8
SSE	.7	.7										1.3	4.0
S	2.7	.7		.7								4.0	5.2
SSW	1.3	2.0										3.3	3.0
SW	2.0	2.0	.7	.7								5.3	5.1
WSW	4.0	4.7										8.7	3.6
W	5.3	9.3	.7									15.3	3.7
WNW	3.3	4.0	1.3									8.7	4.2
NW	2.7	6.7	2.7	2.0								16.0	5.4
NNW	1.3	2.0	2.0	.7								6.0	6.7
VARBL													
CALM												16.7	
	30.0	39.3	8.0	4.0								100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

5702 SURFACE WINDS JAN 78

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

ALL  
MOORE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5	3.0	2.9	1.5	.1							11.0	6.2
NNE	2.1	1.5	.7	.1								4.3	4.3
NE	.8	.7	.2									1.7	3.6
ENE	.7	.7	.1									1.6	3.6
E	2.3	1.0	.2	.2								3.7	3.6
ESE	2.5	.9	.5	.1								4.0	3.8
SE	2.0	1.6	.6	.4								4.8	5.0
SSE	1.9	1.5	.7	.2								4.2	4.5
S	2.8	.6	1.0	.3	.1							5.1	5.1
SSW	.7	.8	.2	.1	.1							1.9	4.9
SW	.9	.7	.1	.2								1.8	4.4
WSW	1.6	1.3	.2	.2								3.1	4.1
W	3.5	2.9	.2									6.6	3.5
WNW	1.3	1.6	.2									3.4	4.0
NW	2.2	3.9	1.7	.7								8.7	5.6
NNW	2.3	3.0	3.3	2.2	.3							11.2	7.5
VARBL													
CALM												22.7	
	31.4	26.5	12.6	6.2	.6							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

1200

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

01  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	.6										2.6	3.0
NNE		.6										.6	5.0
NE													
ENE	.6	.6										1.3	4.0
E	1.9	1.3	1.3									4.3	4.7
ESE	.6	3.2	1.9									5.8	5.4
SE	1.3	1.9	.6	.6								4.3	5.9
SSE	2.6	.6		1.3								4.3	5.9
S	4.5	2.6	.6	.6								8.4	4.5
SSW	3.2	.6										3.9	2.5
SW	1.3											1.3	2.5
WSW	2.6	1.9										4.3	3.3
W	3.2	1.9										5.2	2.9
WNW	1.9	1.9										3.9	4.0
NW	1.9	5.2	.6	.6								8.4	5.4
NNW	1.9	1.3	1.3									4.3	4.9
VARB													
CALM												36.1	
	29.7	24.5	6.5	3.2								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

04  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.9	.6									4.5	4.4
NNE	.6	1.3										1.9	4.3
NE													
ENE													
E	1.3	1.3										2.6	3.5
ESE	3.2	2.6	1.3									7.1	4.6
SE	1.3	1.9	2.6	.6	.6							7.1	7.9
SSE	1.3	1.9										3.2	3.6
S	3.2	.6		.6								4.5	4.3
SSW	1.3											1.3	2.5
SW	3.9	.6										4.5	2.4
WSW	.6	3.2										3.9	3.7
W	.6	3.9										4.5	4.1
WNW	1.9	1.9	.6									4.5	3.9
NW	1.3	3.2		.6								5.2	4.9
NNW	1.3	1.3	2.6	.6								5.8	6.3
VARBL													
CALM												39.4	
	23.9	25.8	7.7	2.6	.6							100.0	2.8

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

07  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	3.9		.6								6.5	3.1
NNE	.6	1.9										2.6	4.0
NE													
ENE	.6	.6										1.3	3.0
E	1.9	1.3										3.2	2.8
ESE	1.9	1.3	3.2	1.3								7.7	6.7
SE	2.6	1.3	1.9									5.8	3.2
SSE	3.2	3.2	1.9									8.4	4.8
S	5.2	1.3										6.5	2.9
SSW	1.3											1.3	1.5
SW	1.9	.6										2.6	2.5
WSW	.6	1.3										1.9	3.7
W	2.6	.6										3.2	2.2
WNW	1.3	.6	.6									2.6	4.0
NW	1.9	.6										2.6	2.8
NNW	1.3	2.6	.6	.6								5.2	3.3
VARBL													
CALM												38.7	
	29.0	21.3	6.4	2.6								100.0	2.6

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

10  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.6	3.9	1.9	.6							9.7	8.9
NNE	.6											.6	2.0
NE		1.3										1.3	5.0
ENE	.6	.6										1.3	3.0
E	2.6	1.9	.6									5.2	3.6
ESE	3.2	4.5	.6									8.4	4.2
SE	5.2	4.5	1.3	.6								11.6	4.1
SSE	2.6	3.9	2.6	1.3								10.3	5.8
S	1.3	2.0	1.3	1.3								6.5	7.2
SSW	.6	.6										1.3	3.0
SW	.6											.6	2.0
WSW	1.3											1.3	1.5
W													
WNW	1.3	.6	1.3									3.2	4.4
NW	.6	1.3	1.3	.6		.6						4.5	8.4
NNW	.6	1.3	.6	1.9								4.5	8.6
VARBL													
CALM												29.7	
	21.9	25.8	13.5	7.7	.6	.6						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

13  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.9	7.1	2.6	1.3	.6							15.5	5.8
NNE	.6	2.6	1.3									4.5	5.4
NE	.6	.6	.6									1.3	4.5
ENE	2.6	.6										3.2	3.2
E	7.1	3.9										11.0	3.2
ESE	4.5	2.6										7.1	3.5
SE	1.9	4.5	.6									7.1	4.8
SSE	3.2	1.3	.6	.6								5.8	4.4
S		1.9	1.9	1.3								5.2	6.6
SSW													
SW		.6		.6								1.3	8.0
WSW													
W	.6	.6										1.3	2.5
WNW													
NW		.6	.6		.6							1.9	11.3
NNW	1.3	1.3	1.9	3.9	.6							9.0	9.6
VARBL													
CALM												25.8	
	26.5	27.7	10.3	7.7	1.9							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

125

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

16  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	7.7	1.9	1.3	.6							14.8	6.3
NNE	1.9	2.6	1.9	.6								7.1	5.5
NE	1.3	.6										1.9	3.7
ENE	1.3	1.3										2.6	3.8
E	3.9	1.9	.6									6.5	3.5
ESE	2.6	1.9										4.5	4.0
SE	3.2	1.3										4.5	3.4
SSE	1.9	.6	1.3									3.9	4.7
S	3.2	1.3	.6									5.2	4.1
SSW													
SW	1.3											1.3	2.0
WSW		.6										.6	4.0
W			.6	.6								1.3	11.0
WNW	.6	1.9										2.6	4.5
NW	1.3	.6	.6	.6								3.2	6.8
NNW	1.3	3.2	2.6	1.3	.6							9.0	8.0
VARB													
CALM												31.0	
	27.1	25.8	10.3	4.5	1.3							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

19  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.9	.6	.6									5.2	3.5
NNE	.6											.6	3.0
NE	.6	1.3										1.9	4.0
ENE		1.3										1.3	4.5
E	1.9	.6	.6									3.2	3.2
ESE	5.2	1.3	.6									7.1	3.1
SE	2.6	3.2	.6		.6							7.1	5.4
SSE	3.9	3.2	1.3									8.4	4.3
S	1.9	3.2	.6									5.8	4.4
SSW	.6	1.3		.6								2.6	5.8
SW	.6	1.3										1.9	4.7
WSW			.6									.6	9.0
W	3.2	1.9										5.2	2.8
WNW		4.5	.6									5.2	5.1
NW	1.9	7.1	.6	.6		.6						11.0	6.5
NNW		2.6	1.9									4.5	6.6
VARBL													
CALM												28.4	
	27.1	33.5	8.4	1.3	.6	.6						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

22  
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6										1.3	4.0
NNE	.6											.6	2.0
NE	.6	.6										1.3	3.5
ENE													
E	1.3	.6										1.9	3.0
ESE	1.9	1.3		.6								3.9	5.3
SE	.6	3.9	1.9	.6								7.1	6.5
SSE	1.9	3.9	.6	1.3								7.7	5.8
S	3.2	3.9				.6						7.7	5.6
SSW	1.3	1.3										2.6	3.5
SW	1.3	1.3										2.6	3.5
WSW	6.5	1.9										8.4	2.9
W	3.9	9.0										12.9	3.8
WNW	2.6	3.2										5.8	3.4
NW		4.5	1.3									5.8	5.3
NNW	1.3	1.9	3.2	1.3								7.7	7.4
VARBL													
CALM												22.6	
	27.7	38.1	7.1	3.9		.6						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	3.1	1.2	.6	.2							7.5	5.9
NNE	.7	1.1	.4	.1								2.3	4.8
NE	.4	.5	.1									1.0	4.1
ENE	.7	.6										1.4	3.5
E	2.7	1.6	.4									4.8	3.5
ESE	2.9	2.3	1.0	.2								6.5	4.6
SE	2.3	2.3	1.2	.3	.2							6.9	5.4
SSE	2.6	2.3	1.0	.6								6.5	5.0
S	2.8	2.2	.6	.5		.1						6.2	5.2
SSW	1.0	.5		.1								1.6	3.3
SW	1.4	.6		.1								2.0	3.3
WSW	1.5	1.1	.1									2.7	3.3
W	1.8	2.3	.1	.1								4.2	3.6
WNW	1.2	1.9	.4									3.5	4.2
NW	1.1	2.9	.6	.4	.1	.2						5.3	6.1
NNW	1.1	1.9	1.9	1.2	.2							6.3	7.4
VARBL												31.5	
CALM												100.0	3.4
	26.6	27.8	9.0	4.2	.6	.2							

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

ALL  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	6.0	6.4	2.4	.3	.0						17.6	7.1
NNE	1.0	1.7	1.1	.2	.0							4.0	5.6
NE	.7	.7	.4	.0								1.8	4.6
ENE	.6	.6	.2									1.3	3.9
E	1.4	1.0	.3	.0								2.7	3.9
ESE	1.1	.9	.4	.1								2.4	4.5
SE	1.1	1.3	.5	.2	.0							3.1	5.0
SSE	1.0	1.1	.6	.2	.0							3.0	5.4
S	1.4	1.1	.7	.3	.1	.0						3.6	5.5
SSW	.6	.6	.2	.1	.0	.0						1.7	4.3
SW	.9	.9	.2	.1	.0	.0						1.8	4.3
WSW	1.2	.9	.2	.2	.0							2.6	4.5
W	2.6	3.1	.3	.1	.0							6.1	3.9
WNW	1.6	3.0	.8	.0	.0	.0						5.5	4.8
NW	1.7	5.2	3.6	1.1	.1	.0	.0					11.7	6.4
NNW	1.9	5.8	6.1	3.0	.4	.1	.0					17.4	7.8
VARBL													
CALM												13.6	
	21.7	33.6	21.9	7.9	1.0	.2	.0					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

14607

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

LENDORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

ALL  
MONTH

INSTRUMENT

ALL  
HOURS (L.S.T.)

CIG 200 TO 1400 FT W/VSBY 1/2 MI OR MORE,

CLASS

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.6	3.4	1.3	.2	.1	.1						7.7	5.0
NNE	1.1	.9	.2									2.2	3.7
NE	1.2	.5	.1									1.7	3.0
ENE	1.3	.7	.1									2.1	3.3
E	3.3	2.1	.2									5.5	3.3
ESE	3.7	2.4	.6	.2								6.9	4.0
SE	3.1	2.9	.8	.3	.2							7.3	4.7
SSE	2.9	2.5	1.1	.8								7.3	5.1
S	2.9	1.4	.2	.1		.1						4.6	3.8
SSW	.8	.6										1.4	3.2
SW	1.1	.2										1.4	2.7
WSW	.9	.6										1.5	3.2
W	2.4	2.1	.2									4.6	3.4
WNW	.7	2.1	.5									3.3	4.7
NW	1.7	2.1	1.0	.4								5.1	5.0
NNW	1.7	3.0	1.4	.8	.1							7.0	6.0
VARBL													
CALM												30.6	
	31.4	27.5	7.5	2.7	.3	.2						100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

1315



NWSD, Federal Building  
Asheville, N. C.

## PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

# EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq 0$
NO CEILING													
$\geq 1800$													
$\geq 1500$					91.0								92.6
$\geq 1200$													
$\geq 1000$													
$\geq 900$													
$\geq 800$													
$\geq 700$													
$\geq 600$													
$\geq 500$										97.4			98.1
$\geq 400$													
$\geq 300$													
$\geq 200$													
$\geq 100$													
0					95.4		96.9		98.3				100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.

Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
Visibility  $\geq 3$  miles = 95.4%.

Visibility  $\geq 2$  miles = 96.9%.

Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.

## PART D

### ADDITIONAL EXAMPLES

#### EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

#### EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $\geq 1$  mile, but < 3 miles; or ceiling  $\geq 500$  feet, but < 1500 feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.



## PART D

## SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	9.0	20.0	27.7	32.3	41.9	42.6	46.5	47.7	47.7	49.7	51.0	51.0	51.0	51.0
≥ 20000	9.0	21.3	29.0	33.6	43.2	43.9	47.7	49.0	49.0	51.0	52.3	52.3	52.9	53.6
≥ 18000	9.0	21.3	29.0	33.6	43.2	43.9	47.7	49.0	49.0	51.0	52.3	52.3	52.9	53.6
≥ 16000	9.0	21.3	29.0	33.6	43.2	43.9	47.7	49.0	49.0	51.0	52.3	52.3	52.9	53.6
≥ 14000	9.7	21.9	29.7	34.2	43.9	45.2	49.0	50.3	50.3	52.3	53.6	53.6	54.2	54.8
≥ 12000	11.0	23.2	31.0	35.5	45.8	47.1	51.0	52.3	52.3	54.2	55.5	55.5	56.1	56.8
≥ 10000	12.3	24.5	32.3	36.8	47.1	48.4	52.3	54.2	54.2	56.8	58.1	58.1	58.7	59.4
≥ 9000	12.3	24.5	32.3	36.8	47.1	48.4	52.3	54.2	54.2	56.8	58.1	58.1	58.7	59.4
≥ 8000	13.6	25.8	33.6	38.1	49.0	50.3	54.2	56.1	56.1	59.4	60.7	60.7	61.3	61.9
≥ 7000	14.2	26.5	34.2	38.7	49.7	51.0	54.8	56.8	56.8	60.7	61.9	61.9	62.6	63.2
≥ 6000	14.2	27.1	34.8	39.4	51.0	52.3	56.1	58.1	58.1	61.9	63.2	63.2	63.9	64.5
≥ 5000	14.8	28.4	36.1	40.7	52.3	53.6	57.4	59.4	59.4	63.2	64.5	64.5	65.2	65.8
≥ 4500	16.1	29.7	37.4	41.9	53.6	54.8	58.7	60.7	60.7	64.5	65.8	65.8	66.5	67.1
≥ 4000	16.1	29.7	37.4	41.9	53.6	54.8	58.7	60.7	60.7	64.5	65.8	65.8	66.5	67.1
≥ 3500	16.1	29.7	37.4	41.9	53.6	54.8	58.7	60.7	60.7	64.5	65.8	65.8	66.5	67.1
≥ 3000	16.8	31.0	38.7	43.2	54.8	56.1	60.0	63.2	63.2	67.1	68.4	68.4	69.0	69.7
≥ 2500	17.4	32.9	40.7	45.2	56.8	58.1	62.6	65.8	65.8	69.7	71.0	71.0	71.6	72.3
≥ 2000	17.4	33.6	41.9	46.5	58.7	60.0	64.5	67.7	67.7	71.6	72.9	72.9	73.6	74.2
≥ 1800	17.4	33.6	41.9	46.5	58.7	60.0	64.5	67.7	67.7	71.6	72.9	72.9	73.6	74.2
≥ 1500	17.4	33.6	41.9	46.5	58.7	60.0	64.5	67.7	67.7	71.6	72.9	72.9	73.6	74.2
≥ 1200	17.4	33.6	41.9	46.5	59.4	60.7	65.2	68.4	68.4	72.3	73.6	73.6	74.2	74.8
≥ 1000	17.4	33.6	41.9	46.5	60.0	61.3	67.1	70.3	70.3	74.8	76.1	76.1	76.8	77.4
≥ 900	17.4	33.6	41.9	46.5	60.7	61.9	67.7	71.0	71.0	75.5	76.8	76.8	77.4	78.1
≥ 800	17.4	33.6	41.9	46.5	60.7	61.9	68.4	71.6	71.6	76.1	77.4	77.4	78.1	78.7
≥ 700	17.4	33.6	41.9	46.5	60.7	61.9	68.4	71.6	71.6	76.1	77.4	77.4	78.1	78.7
≥ 600	17.4	33.6	41.9	46.5	60.7	62.6	69.7	72.9	72.9	77.4	78.7	78.7	79.4	80.0
≥ 500	17.4	33.6	41.9	46.5	60.7	62.6	69.7	74.2	74.2	78.7	80.0	80.0	80.7	81.3
≥ 400	17.4	33.6	41.9	46.5	60.7	62.6	70.3	74.8	74.8	79.4	80.7	80.7	81.3	81.9
≥ 300	17.4	33.6	41.9	46.5	60.7	62.6	70.3	74.8	74.8	79.4	80.7	80.7	81.3	81.9
≥ 200	17.4	33.6	41.9	46.5	60.7	62.6	70.3	75.5	75.5	80.7	82.6	82.6	83.2	84.5
≥ 100	17.4	33.6	41.9	46.5	60.7	62.6	70.3	75.5	75.5	80.7	82.6	82.6	83.2	85.2
0	17.4	33.6	41.9	46.5	60.7	62.6	70.3	75.5	75.5	80.7	82.6	82.6	83.9	85.8

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	7.1	15.5	20.7	24.5	31.0	31.0	34.2	36.1	36.1	38.7	40.7	41.3	43.2
≥ 20000	7.1	15.5	21.3	25.2	31.6	31.6	32.3	35.5	37.4	40.0	41.9	42.6	44.5
≥ 18000	7.1	15.5	21.3	25.2	31.6	31.6	32.3	35.5	37.4	40.0	41.9	42.6	44.5
≥ 16000	7.1	15.5	21.3	25.2	31.6	31.6	32.3	35.5	37.4	40.0	41.9	42.6	44.5
≥ 14000	7.1	15.5	21.3	25.2	31.6	31.6	32.3	35.5	37.4	40.0	41.9	42.6	44.5
≥ 12000	7.1	16.1	22.6	26.5	32.9	32.9	33.6	36.8	39.4	41.9	43.9	44.5	46.5
≥ 10000	9.7	19.4	26.5	30.3	36.8	36.8	37.4	40.7	43.2	46.5	48.4	49.0	51.0
≥ 9000	9.7	19.4	26.5	30.3	36.8	36.8	37.4	40.7	43.2	46.5	48.4	49.0	51.0
≥ 8000	11.0	20.7	27.7	31.6	38.7	38.7	39.4	42.6	45.2	48.4	50.3	51.0	52.9
≥ 7000	11.6	21.3	28.4	32.3	39.4	39.4	40.0	43.2	45.8	49.0	51.0	51.6	53.6
≥ 6000	11.6	21.3	28.4	32.3	39.4	39.4	40.0	43.2	45.8	49.0	51.0	51.6	53.6
≥ 5000	12.3	22.6	29.7	33.6	40.7	40.7	41.3	44.5	47.1	50.3	52.3	52.9	54.8
≥ 4500	12.3	22.6	29.7	33.6	40.7	40.7	41.3	44.5	47.1	50.3	52.3	52.9	54.8
≥ 4000	12.3	23.2	30.3	34.2	41.3	41.3	41.9	45.2	47.7	51.0	52.9	53.6	55.5
≥ 3500	14.2	26.5	33.6	37.4	44.5	44.5	45.2	48.4	51.0	54.8	56.8	57.4	59.4
≥ 3000	14.2	28.4	35.5	39.4	46.5	46.5	47.1	50.3	52.9	56.8	58.7	59.4	61.3
≥ 2500	14.8	29.0	36.1	40.0	47.1	47.1	47.7	51.0	53.6	57.4	59.4	60.0	61.9
≥ 2000	14.8	29.0	36.8	40.7	48.4	48.4	49.0	52.3	54.8	58.7	61.3	61.9	63.9
≥ 1800	14.8	29.0	36.8	40.7	48.4	48.4	49.0	52.9	55.5	59.4	61.9	62.6	64.5
≥ 1500	14.8	29.0	36.8	40.7	48.4	48.4	49.0	52.9	55.5	59.4	61.9	62.6	64.5
≥ 1200	14.8	29.7	37.4	41.3	49.7	49.7	50.3	53.6	56.8	60.7	63.2	63.9	65.8
≥ 1000	14.8	29.7	37.4	41.3	49.7	49.7	50.3	53.6	56.8	60.7	63.2	63.9	65.8
≥ 900	14.8	29.7	37.4	41.3	50.3	50.3	51.0	54.8	57.4	61.3	63.9	64.5	66.5
≥ 800	14.8	29.7	37.4	41.3	50.3	50.3	51.0	54.8	57.4	61.3	63.9	64.5	66.5
≥ 700	14.8	29.7	37.4	41.3	50.3	50.3	51.0	54.8	57.4	61.3	63.9	64.5	66.5
≥ 600	14.8	29.7	37.4	41.3	50.3	50.3	51.0	54.8	57.4	61.3	63.9	64.5	66.5
≥ 500	14.8	29.7	37.4	41.3	50.3	50.3	51.0	54.8	57.4	61.3	63.9	64.5	66.5
≥ 400	14.8	29.7	37.4	41.3	50.3	50.3	51.0	54.8	57.4	61.3	63.9	64.5	66.5
≥ 300	14.8	29.7	37.4	41.3	50.3	50.3	51.0	54.8	57.4	61.3	63.9	64.5	66.5
≥ 200	14.8	29.7	37.4	41.3	50.3	50.3	51.0	54.8	57.4	61.3	63.9	64.5	66.5
≥ 100	14.8	29.7	37.4	41.3	50.3	50.3	51.0	54.8	57.4	61.3	63.9	64.5	66.5
0	14.8	29.7	37.4	41.3	50.3	50.3	51.0	54.8	57.4	61.3	63.9	64.5	66.5

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	10.3	18.1	21.3	23.9	25.2	25.8	30.3	32.9	32.9	34.2	35.5	35.5	36.8
≥ 20000	10.3	18.1	21.3	23.9	25.2	25.8	30.3	32.9	32.9	34.2	35.5	35.5	36.8
≥ 18000	10.3	18.1	21.3	23.9	25.2	25.8	30.3	32.9	32.9	34.2	35.5	35.5	36.8
≥ 16000	10.3	18.1	21.3	23.9	25.2	25.8	30.3	32.9	32.9	34.2	35.5	35.5	36.8
≥ 14000	10.3	18.1	21.3	23.9	25.2	25.8	30.3	32.9	32.9	34.2	35.5	35.5	36.8
≥ 12000	10.3	18.1	21.3	23.9	25.2	25.8	30.3	32.9	32.9	34.2	35.5	35.5	36.8
≥ 10000	10.3	20.0	23.2	25.8	27.7	28.4	32.9	36.1	36.1	37.4	40.0	40.0	41.9
≥ 9000	10.3	20.0	23.2	25.8	27.7	28.4	32.9	36.1	36.1	37.4	40.0	40.0	41.9
≥ 8000	11.6	21.3	25.2	27.7	29.7	30.3	34.8	38.1	38.1	40.0	42.6	42.6	44.5
≥ 7000	11.6	21.3	25.2	27.7	29.7	30.3	34.8	38.1	38.1	40.0	42.6	42.6	44.5
≥ 6000	11.6	21.3	25.2	27.7	29.7	30.3	35.5	38.7	38.7	41.3	43.9	43.9	45.8
≥ 5000	12.9	22.6	26.5	29.0	31.6	32.3	37.4	40.7	40.7	43.2	46.5	46.5	48.4
≥ 4500	12.9	23.2	27.1	29.7	32.3	32.9	38.1	41.3	41.3	43.9	47.1	47.1	49.0
≥ 4000	12.9	23.9	27.7	30.3	33.6	34.2	39.4	42.6	42.6	45.2	48.4	48.4	50.3
≥ 3500	12.9	23.9	27.7	30.3	33.6	34.2	39.4	43.9	43.9	46.5	49.7	49.7	51.6
≥ 3000	12.9	24.5	28.4	31.0	34.2	34.8	40.0	44.5	44.5	47.1	50.3	50.3	52.3
≥ 2500	13.6	25.8	29.7	32.3	35.5	36.8	41.9	46.5	46.5	49.7	52.9	52.9	54.8
≥ 2000	14.2	26.5	30.3	32.9	36.1	37.4	43.2	47.7	47.7	51.0	54.8	54.8	56.8
≥ 1800	14.2	26.5	30.3	32.9	36.1	37.4	44.5	49.0	49.0	52.3	56.1	56.1	58.1
≥ 1500	14.2	26.5	30.3	32.9	36.1	37.4	45.8	50.3	50.3	53.6	57.4	57.4	59.4
≥ 1200	14.2	26.5	30.3	33.6	36.8	38.1	47.1	52.3	52.3	55.5	60.0	60.0	61.9
≥ 1000	14.2	27.1	31.0	34.2	37.4	38.7	47.7	53.6	53.6	56.8	61.3	61.3	63.2
≥ 900	14.8	27.7	31.6	34.8	38.1	39.4	48.4	54.2	54.2	57.4	61.9	61.9	63.9
≥ 800	14.8	27.7	31.6	34.8	38.1	39.4	48.4	54.2	54.2	57.4	61.9	61.9	63.9
≥ 700	14.8	27.7	31.6	34.8	38.1	39.4	49.7	56.1	56.1	59.4	63.9	63.9	65.8
≥ 600	14.8	27.7	31.6	34.8	38.1	39.4	49.7	56.1	56.1	59.4	63.9	63.9	65.8
≥ 500	14.8	27.7	31.6	34.8	38.1	39.4	50.3	56.8	57.4	60.7	65.2	65.2	67.1
≥ 400	14.8	27.7	31.6	34.8	38.1	39.4	50.3	56.8	57.4	60.7	65.2	65.2	67.1
≥ 300	14.8	27.7	31.6	34.8	38.1	39.4	50.3	56.8	57.4	61.9	66.5	66.5	68.4
≥ 200	14.8	27.7	31.6	34.8	38.1	39.4	50.3	56.8	57.4	62.6	67.7	67.7	69.7
≥ 100	14.8	27.7	31.6	34.8	38.1	39.4	50.3	56.8	57.4	63.2	69.7	69.7	72.3
0	14.8	27.7	31.6	34.8	38.1	39.4	50.3	56.8	57.4	63.2	69.7	69.7	72.3

TOTAL NUMBER OF OBSERVATIONS

155

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	10.4	18.8	21.4	23.4	26.0	29.2	32.5	34.4	34.4	37.7	38.3	39.0	39.0
≥ 20000	11.7	20.8	23.4	25.3	29.2	33.1	36.4	38.3	38.3	42.2	42.9	43.5	43.5
≥ 18000	11.7	20.8	23.4	25.3	29.2	33.1	36.4	38.3	38.3	42.2	42.9	43.5	43.5
≥ 16000	11.7	20.8	23.4	25.3	29.2	33.1	36.4	38.3	38.3	42.2	42.9	43.5	43.5
≥ 14000	11.7	20.8	23.4	25.3	29.2	33.1	36.4	38.3	38.3	42.2	42.9	43.5	43.5
≥ 12000	11.7	20.8	23.4	25.3	29.2	33.1	37.0	39.0	39.0	43.5	44.2	44.8	44.8
≥ 10000	11.7	20.8	23.4	25.3	29.2	33.8	37.7	39.6	39.6	44.2	45.5	46.1	46.1
≥ 9000	11.7	21.4	24.0	26.0	29.9	34.4	38.3	40.3	40.3	44.8	46.1	46.8	46.8
≥ 8000	12.3	23.4	26.0	27.9	31.8	36.4	40.3	42.9	42.9	47.4	48.7	49.4	49.4
≥ 7000	12.3	23.4	26.0	27.9	31.8	36.4	40.3	42.9	42.9	47.4	48.7	49.4	49.4
≥ 6000	12.3	23.4	26.0	27.9	32.5	37.0	40.9	43.5	43.5	48.7	50.7	51.3	51.3
≥ 5000	12.3	23.4	26.6	28.6	33.1	38.3	42.2	44.8	44.8	50.0	52.0	52.6	52.6
≥ 4500	13.0	24.0	27.3	29.2	33.8	39.0	42.9	45.5	45.5	50.7	52.6	53.3	53.3
≥ 4000	13.0	24.0	27.3	29.2	33.8	39.6	44.2	46.8	46.8	52.0	54.6	55.2	55.2
≥ 3500	13.0	24.7	27.9	29.9	34.4	40.3	44.8	47.4	47.4	52.6	55.8	56.5	56.5
≥ 3000	13.6	26.0	29.2	31.2	35.7	41.6	46.1	48.7	48.7	53.9	57.1	57.8	57.8
≥ 2500	14.3	26.6	30.5	32.5	37.0	42.9	48.1	50.7	50.7	55.8	59.1	59.7	59.7
≥ 2000	14.3	26.6	31.2	33.1	38.3	44.8	50.0	52.6	52.6	57.8	61.0	61.7	61.7
≥ 1800	14.3	26.6	31.2	33.8	39.6	46.1	51.3	53.9	53.9	59.1	62.3	63.0	63.0
≥ 1500	14.3	26.6	31.2	33.8	39.6	46.1	51.3	53.9	53.9	59.7	63.0	63.6	63.6
≥ 1200	14.3	26.6	31.2	33.8	39.6	46.1	52.0	54.6	54.6	60.4	63.6	64.3	64.3
≥ 1000	14.3	26.6	31.2	33.8	39.6	46.1	52.6	55.2	55.2	61.0	64.3	64.9	64.9
≥ 900	14.3	26.6	31.2	33.8	39.6	46.1	54.6	57.8	57.8	63.6	66.9	67.5	67.5
≥ 800	14.3	26.6	31.2	33.8	39.6	46.1	54.6	57.8	57.8	63.6	66.9	67.5	67.5
≥ 700	14.3	26.6	31.2	33.8	39.6	46.1	54.6	57.8	57.8	63.6	66.9	67.5	67.5
≥ 600	14.3	26.6	31.2	33.8	39.6	46.1	54.6	58.4	59.1	64.9	68.2	68.8	68.8
≥ 500	14.3	26.6	31.2	33.8	39.6	46.1	54.6	59.7	60.4	66.9	70.8	71.4	71.4
≥ 400	14.3	26.6	31.2	33.8	39.6	46.1	54.6	59.7	60.4	66.9	70.8	71.4	71.4
≥ 300	14.3	26.6	31.2	33.8	39.6	46.1	55.2	61.0	61.7	69.5	74.0	74.7	74.7
≥ 200	14.3	26.6	31.2	33.8	39.6	46.1	55.2	61.7	63.0	72.7	77.3	79.2	79.2
≥ 100	14.3	26.6	31.2	33.8	39.6	46.1	55.8	62.3	63.6	73.4	77.9	81.2	81.2
≥ 0	14.3	26.6	31.2	33.8	39.6	46.1	55.8	62.3	63.6	73.4	77.9	81.2	81.2

TOTAL NUMBER OF OBSERVATIONS

154

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# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110 STATION

LEMOORE, CALIFORNIA STATION NAME

73-77

YEARS

JAN MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	11.6	18.1	20.0	24.5	34.2	39.4	42.6	43.9	43.9	44.5	44.5	45.2	45.2
≥ 20000	12.3	20.0	21.9	26.5	36.8	41.9	46.5	49.0	49.0	49.7	49.7	50.3	50.3
≥ 18000	12.3	20.0	21.9	26.5	36.8	41.9	46.5	49.0	49.0	49.7	49.7	50.3	50.3
≥ 16000	12.3	20.0	21.9	26.5	36.8	41.9	46.5	49.0	49.0	49.7	49.7	50.3	50.3
≥ 14000	12.3	20.7	22.6	27.1	37.4	42.6	47.1	50.3	50.3	51.0	51.0	51.6	51.6
≥ 12000	12.9	21.3	23.2	27.7	39.4	44.5	49.7	52.9	52.9	53.6	53.6	54.2	54.2
≥ 10000	12.9	21.9	24.5	29.7	41.3	46.5	51.6	54.8	54.8	55.5	55.5	56.1	56.1
≥ 9000	12.9	22.6	25.2	30.3	41.9	47.1	52.3	55.5	55.5	56.1	56.1	56.8	56.8
≥ 8000	12.9	23.9	26.5	31.6	43.2	48.4	54.2	58.1	58.1	58.7	58.7	59.4	59.4
≥ 7000	12.9	23.9	26.5	31.6	43.2	48.4	54.2	58.1	58.1	58.7	58.7	59.4	59.4
≥ 6000	12.9	24.5	27.1	32.3	43.9	49.0	54.8	58.7	58.7	59.4	59.4	60.0	60.0
≥ 5000	12.9	24.5	27.1	32.3	43.9	49.0	54.8	58.7	58.7	59.4	59.4	60.0	60.0
≥ 4500	13.6	25.2	27.7	32.9	44.5	49.7	55.5	60.0	60.0	60.7	60.7	61.3	61.3
≥ 4000	14.2	26.5	29.7	34.8	47.7	53.6	59.4	63.2	63.2	64.5	64.5	65.2	65.2
≥ 3500	14.2	27.1	30.3	35.5	48.4	54.8	60.7	64.5	64.5	65.2	65.2	66.5	66.5
≥ 3000	16.1	29.7	32.9	38.1	51.0	57.4	63.2	67.1	67.1	68.4	68.4	69.0	69.0
≥ 2500	16.1	29.7	32.9	38.1	52.3	58.7	64.5	68.4	69.0	69.7	69.7	70.3	70.3
≥ 2000	16.1	30.3	34.2	39.4	54.8	61.3	68.4	72.3	72.3	73.6	73.6	74.2	74.2
≥ 1800	16.1	30.3	34.2	39.4	54.8	61.3	68.4	72.3	72.3	73.6	73.6	74.2	74.2
≥ 1500	16.8	31.6	36.8	42.6	58.1	64.5	71.6	75.5	76.1	76.8	76.8	77.4	77.4
≥ 1200	16.8	31.6	36.8	42.6	61.3	67.7	74.8	78.7	79.4	80.0	80.0	80.7	80.7
≥ 1000	16.8	31.6	36.8	43.2	61.3	67.7	74.8	79.4	80.0	80.7	81.3	81.3	81.3
≥ 900	16.8	31.6	36.8	43.2	61.9	69.0	76.1	81.3	81.9	82.6	82.6	83.2	83.2
≥ 800	16.8	31.6	36.8	43.2	61.9	69.0	76.1	81.3	81.9	82.6	82.6	83.2	83.2
≥ 700	16.8	31.6	36.8	43.2	61.9	69.0	76.1	81.9	82.6	83.2	83.2	83.9	83.9
≥ 600	16.8	31.6	36.8	43.2	61.9	69.0	76.1	83.2	83.9	84.5	85.2	85.8	85.8
≥ 500	16.8	31.6	36.8	43.2	62.6	69.7	77.4	83.9	84.5	85.2	85.8	86.5	86.5
≥ 400	16.8	31.6	36.8	43.2	62.6	71.0	78.7	87.7	88.4	89.0	89.7	90.3	90.3
≥ 300	16.8	31.6	36.8	43.2	62.6	71.6	79.4	89.0	91.6	93.6	93.6	94.8	94.8
≥ 200	16.8	31.6	36.8	43.2	62.6	71.6	79.4	90.3	92.9	93.6	94.8	97.4	97.4
≥ 100	16.8	31.6	36.8	43.2	62.6	71.6	79.4	90.3	92.9	93.6	94.8	97.4	97.4
≥ 0	16.8	31.6	36.8	43.2	62.6	71.6	79.4	90.3	92.9	93.6	94.8	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

JAN  
MONTH

16  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	12.3	20.7	26.5	32.9	43.2	44.5	47.1	47.7	47.7	47.7	47.7	47.7
≥ 20000	12.3	21.3	29.0	36.1	47.7	50.3	54.2	56.1	56.1	56.1	56.1	56.1
≥ 18000	12.3	21.3	29.0	36.1	47.7	50.3	54.2	56.1	56.1	56.1	56.1	56.1
≥ 16000	12.3	21.3	29.0	36.1	47.7	50.3	54.2	56.1	56.1	56.1	56.1	56.1
≥ 14000	12.3	21.3	29.0	36.1	47.7	50.3	54.2	56.1	56.1	56.1	56.1	56.1
≥ 12000	12.9	22.6	30.3	37.4	50.3	53.6	57.4	59.4	59.4	59.4	59.4	59.4
≥ 10000	14.2	24.5	32.3	39.4	53.6	57.4	61.3	63.2	63.2	63.2	63.2	63.2
≥ 9000	14.2	24.5	32.3	39.4	53.6	57.4	61.3	63.2	63.2	63.2	63.2	63.2
≥ 8000	14.8	25.8	33.6	40.7	54.8	59.4	63.9	66.5	66.5	66.5	66.5	66.5
≥ 7000	15.5	26.5	34.2	41.9	56.1	60.7	65.2	67.7	67.7	67.7	67.7	67.7
≥ 6000	16.1	27.1	34.8	42.6	56.8	61.3	65.8	68.4	68.4	68.4	68.4	68.4
≥ 5000	16.1	27.1	34.8	42.6	56.8	61.3	65.8	68.4	68.4	68.4	68.4	68.4
≥ 4500	16.8	28.4	36.8	44.5	58.7	63.2	67.7	70.3	70.3	70.3	70.3	70.3
≥ 4000	16.8	29.7	38.1	45.8	60.0	64.5	69.0	71.6	71.6	71.6	71.6	71.6
≥ 3500	16.8	29.7	38.7	46.5	60.7	65.2	69.7	72.3	72.3	72.3	72.3	72.3
≥ 3000	18.7	32.9	41.9	49.7	63.9	68.4	72.9	75.5	75.5	75.5	75.5	75.5
≥ 2500	18.7	32.9	41.9	49.7	64.5	69.0	73.6	76.1	76.1	76.1	76.1	76.1
≥ 2000	18.7	33.6	43.2	51.0	66.5	71.0	75.5	78.7	78.7	78.7	78.7	78.7
≥ 1800	18.7	33.6	43.2	51.0	66.5	71.0	75.5	78.7	78.7	78.7	78.7	78.7
≥ 1500	18.7	34.8	45.2	53.6	69.0	74.2	78.7	81.9	81.9	81.9	81.9	81.9
≥ 1200	18.7	34.8	45.8	54.2	70.3	75.5	80.0	83.2	83.2	83.2	83.2	83.2
≥ 1000	18.7	34.8	45.8	54.8	71.0	76.1	80.7	84.5	84.5	85.2	85.2	85.2
≥ 900	18.7	34.8	45.8	54.8	71.6	76.8	81.9	86.5	86.5	87.1	87.1	87.1
≥ 800	18.7	34.8	45.8	54.8	71.6	76.8	81.9	86.5	86.5	87.1	87.1	87.1
≥ 700	18.7	34.8	45.8	55.5	72.9	78.1	83.9	89.0	89.0	89.7	89.7	89.7
≥ 600	18.7	34.8	45.8	55.5	73.6	78.7	84.5	90.3	91.0	91.6	91.6	91.6
≥ 500	18.7	34.8	45.8	55.5	74.8	80.0	85.8	92.3	92.9	93.6	93.6	93.6
≥ 400	18.7	34.8	45.8	55.5	74.8	80.7	86.5	92.9	94.2	94.8	94.8	94.8
≥ 300	18.7	34.8	45.8	55.5	74.8	81.3	87.1	94.2	96.1	97.4	97.4	97.4
≥ 200	18.7	34.8	45.8	55.5	74.8	81.3	87.1	94.2	96.1	97.4	97.4	97.4
≥ 100	18.7	34.8	45.8	55.5	74.8	81.3	87.1	94.2	96.1	97.4	97.4	97.4
0	18.7	34.8	45.8	55.5	74.8	81.3	87.1	94.2	96.1	97.4	97.4	98.1

TOTAL NUMBER OF OBSERVATIONS

153

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	13.6	21.3	30.3	40.0	47.7	49.0	51.6	53.6	53.6	56.1	56.1	56.1	56.1	56.1
≥ 20000	13.6	23.2	33.6	43.2	51.6	53.6	56.8	59.4	59.4	61.9	61.9	61.9	61.9	61.9
≥ 18000	13.6	23.2	33.6	43.2	51.6	53.6	56.8	59.4	59.4	61.9	61.9	61.9	61.9	61.9
≥ 16000	13.6	23.2	33.6	43.2	51.6	53.6	56.8	59.4	59.4	61.9	61.9	61.9	61.9	61.9
≥ 14000	13.6	23.2	33.6	43.2	51.6	53.6	56.8	59.4	59.4	61.9	61.9	61.9	61.9	61.9
≥ 12000	14.2	23.9	34.8	44.5	52.9	54.8	58.1	60.7	60.7	63.2	63.2	63.2	63.2	63.2
≥ 10000	16.8	27.1	38.1	49.0	57.4	60.0	63.9	66.5	66.5	69.0	69.0	69.0	69.0	69.0
≥ 9000	16.8	27.1	38.1	49.7	58.1	60.7	64.5	67.1	67.1	69.7	69.7	69.7	69.7	69.7
8000	18.1	28.4	39.4	51.0	59.4	61.9	66.5	69.0	69.0	71.6	71.6	71.6	71.6	71.6
7000	18.1	29.0	40.0	51.6	60.0	62.6	67.1	69.7	69.7	72.3	72.3	72.3	72.3	72.3
6000	18.1	29.7	40.7	52.3	61.3	63.9	68.4	71.0	71.0	73.6	73.6	73.6	73.6	73.6
5000	18.7	31.0	41.9	53.6	62.6	65.8	70.3	72.9	72.9	75.5	75.5	75.5	75.5	75.5
4500	19.4	32.3	43.2	54.8	63.9	67.1	71.6	74.2	74.2	76.8	76.8	76.8	76.8	76.8
4000	20.0	32.9	43.9	55.5	64.5	67.7	72.3	74.8	74.8	77.4	77.4	77.4	77.4	77.4
3500	20.0	32.9	43.9	55.5	64.5	67.7	72.3	74.8	74.8	77.4	77.4	77.4	77.4	77.4
3000	20.0	32.9	44.5	56.1	65.2	69.0	73.6	76.1	76.1	78.7	78.7	78.7	78.7	78.7
2500	20.0	32.9	44.5	56.1	65.8	69.7	74.2	76.8	76.8	79.4	79.4	79.4	79.4	79.4
2000	20.0	32.9	45.2	57.4	67.7	71.6	76.1	78.7	78.7	81.3	81.3	81.3	81.3	81.3
1800	20.0	33.6	45.8	58.1	68.4	72.3	76.8	79.4	79.4	81.9	81.9	81.9	81.9	81.9
1500	20.0	34.2	46.5	58.7	69.0	72.9	77.4	80.0	80.0	82.6	82.6	82.6	82.6	82.6
1200	20.0	34.2	46.5	58.7	69.7	73.6	78.1	80.7	80.7	83.2	83.2	83.2	83.2	83.2
1000	20.0	34.8	47.1	59.4	70.3	74.2	80.0	82.6	82.6	85.2	85.2	85.2	85.2	85.2
900	20.0	34.8	47.7	60.0	71.0	76.1	81.9	85.2	85.2	87.7	87.7	87.7	87.7	87.7
800	20.0	34.8	47.7	60.0	71.0	76.1	81.9	85.8	85.8	88.4	88.4	88.4	88.4	88.4
700	20.0	34.8	47.7	60.0	71.0	76.1	81.9	85.8	85.8	88.4	88.4	88.4	88.4	88.4
600	20.0	34.8	47.7	60.0	71.6	76.8	82.6	87.1	87.1	89.7	89.7	89.7	89.7	89.7
500	20.0	34.8	47.7	60.0	71.6	76.8	82.6	87.1	87.1	89.7	89.7	89.7	89.7	89.7
400	20.0	34.8	47.7	60.0	72.3	78.1	83.9	88.4	88.4	91.0	91.0	91.0	91.0	91.0
300	20.0	34.8	47.7	60.0	72.3	79.4	85.2	90.3	90.3	93.6	93.6	93.6	93.6	93.6
200	20.0	34.8	47.7	60.0	72.3	79.4	85.2	90.3	90.3	94.2	94.2	94.2	94.2	94.2
100	20.0	34.8	47.7	60.0	72.3	79.4	85.2	90.3	90.3	94.2	94.2	94.2	94.2	94.2
0	20.0	34.8	47.7	60.0	72.3	79.4	85.2	90.3	90.3	94.2	94.2	94.2	94.2	94.2

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	11.0	22.6	27.1	36.8	45.2	47.1	49.0	50.3	50.3	51.6	51.6	51.6	52.3	52.3
≥ 20000	11.6	23.2	28.4	38.1	47.1	49.7	52.3	53.6	54.2	55.5	55.5	55.5	56.1	56.1
≥ 18000	11.6	23.2	28.4	38.1	47.1	49.7	52.3	53.6	54.2	55.5	55.5	55.5	56.1	56.1
≥ 16000	11.6	23.2	28.4	38.1	47.1	49.7	52.3	53.6	54.2	55.5	55.5	55.5	56.1	56.1
≥ 14000	11.6	23.2	28.4	38.1	47.1	49.7	52.3	53.6	54.2	55.5	55.5	55.5	56.1	56.1
≥ 12000	11.6	23.9	29.0	38.7	47.7	50.3	52.9	54.2	54.8	56.1	56.1	56.1	56.8	56.8
≥ 10000	14.2	26.5	31.6	41.3	51.6	54.8	57.4	58.7	59.4	61.3	61.3	61.3	61.9	61.9
≥ 9000	14.2	27.1	32.3	41.9	52.3	55.5	58.1	59.4	60.0	61.9	61.9	61.9	62.6	62.6
≥ 8000	14.8	27.7	33.6	43.2	53.6	56.8	60.0	61.3	61.9	63.9	63.9	63.9	64.5	64.5
≥ 7000	15.5	28.4	34.2	43.9	54.2	57.4	60.7	61.9	62.6	64.5	64.5	64.5	65.2	65.2
≥ 6000	18.1	31.0	36.8	46.5	56.8	60.0	63.2	64.5	65.2	67.1	67.1	67.1	67.7	67.7
≥ 5000	18.1	31.0	36.8	46.5	57.4	60.7	63.9	65.2	65.8	67.7	67.7	67.7	68.4	68.4
≥ 4500	18.7	31.6	37.4	47.1	58.1	61.3	65.2	66.5	67.1	69.0	69.0	69.0	69.7	69.7
≥ 4000	18.7	31.6	37.4	47.1	58.1	61.3	65.2	66.5	67.1	69.0	69.0	69.0	69.7	69.7
≥ 3500	19.4	32.3	38.1	47.7	58.7	61.9	65.8	67.1	67.7	69.7	69.7	69.7	70.3	70.3
≥ 3000	20.7	33.6	39.4	49.0	60.0	63.2	67.7	69.7	70.3	72.3	72.3	72.3	72.9	72.9
≥ 2500	20.7	34.8	41.3	51.0	62.6	66.5	71.0	72.9	73.6	75.5	75.5	75.5	76.1	76.1
≥ 2000	20.7	35.5	41.9	51.6	63.2	67.1	71.6	73.6	74.2	76.1	76.1	76.1	76.8	76.8
≥ 1800	20.7	35.5	41.9	51.6	63.2	67.1	71.6	73.6	74.2	76.1	76.1	76.1	76.8	76.8
≥ 1500	20.7	35.5	41.9	52.3	63.9	67.7	72.3	74.8	75.5	77.4	77.4	77.4	78.1	78.1
≥ 1200	20.7	35.5	41.9	52.3	63.9	67.7	72.9	75.5	76.1	78.1	78.1	78.1	78.7	78.7
≥ 1000	20.7	35.5	41.9	52.3	63.9	68.4	73.6	76.1	76.8	78.7	78.7	78.7	79.4	79.4
≥ 900	20.7	35.5	41.9	52.3	63.9	69.0	74.8	77.4	78.1	80.0	80.0	80.0	80.7	80.7
≥ 800	20.7	35.5	41.9	52.3	64.5	69.7	75.5	78.1	78.7	80.7	80.7	80.7	81.3	81.3
≥ 700	20.7	35.5	42.6	52.9	65.2	71.0	77.4	80.0	80.7	83.2	83.2	83.2	83.9	83.9
≥ 600	20.7	35.5	42.6	52.9	65.2	71.0	77.4	81.3	81.9	84.5	84.5	84.5	85.2	85.2
≥ 500	20.7	35.5	42.6	52.9	65.2	71.0	77.4	81.3	81.9	84.5	84.5	84.5	85.2	85.2
≥ 400	20.7	35.5	42.6	52.9	65.2	71.0	77.4	81.3	81.9	84.5	84.5	84.5	85.2	85.2
≥ 300	20.7	35.5	42.6	52.9	65.2	71.0	78.1	81.9	82.6	85.8	85.8	85.8	86.5	86.5
≥ 200	20.7	35.5	42.6	52.9	65.2	71.0	78.1	82.6	83.2	87.1	87.1	87.1	88.4	88.4
≥ 100	20.7	35.5	42.6	52.9	65.2	71.0	78.1	82.6	83.2	87.7	89.0	89.0	90.3	91.0
≥ 0	20.7	35.5	42.6	52.9	65.2	71.0	78.1	82.6	83.2	87.7	89.0	89.0	90.3	92.3

TOTAL NUMBER OF OBSERVATIONS 155



# CEILING VERSUS VISIBILITY

23110

LEMOORE, CALIFORNIA

73-77

JAN

STATION NAME

YEARS

NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	10.7	19.4	24.4	29.3	36.8	38.6	41.7	43.3	43.3	45.0	45.7	45.8	46.4
≥ 20000	11.0	20.4	26.0	31.5	39.1	41.3	45.0	47.0	47.1	48.8	49.5	49.6	50.3
≥ 18000	11.0	20.4	26.0	31.5	39.1	41.3	45.0	47.0	47.1	48.8	49.5	49.6	50.3
≥ 16000	11.0	20.4	26.0	31.5	39.1	41.3	45.0	47.0	47.1	48.8	49.5	49.6	50.3
≥ 14000	11.1	20.6	26.2	31.6	39.2	41.6	45.2	47.3	47.4	49.1	49.9	50.0	50.7
≥ 12000	11.5	21.2	27.0	32.5	40.5	42.9	46.7	49.0	49.1	50.9	51.7	51.7	52.5
≥ 10000	12.8	23.1	29.0	34.7	43.1	45.8	49.7	52.1	52.1	54.2	55.1	55.2	56.0
≥ 9000	12.8	23.3	29.2	35.0	43.4	46.2	50.0	52.4	52.5	54.6	55.5	55.6	56.4
≥ 8000	13.6	24.6	30.7	36.5	45.0	47.9	52.1	54.6	54.7	56.9	57.9	58.0	58.8
≥ 7000	14.0	25.0	31.1	37.0	45.5	48.4	52.5	55.1	55.2	57.5	58.4	58.5	59.3
≥ 6000	14.4	25.7	31.7	37.6	46.4	49.2	53.5	56.1	56.2	58.6	59.6	59.7	60.5
≥ 5000	14.8	26.3	32.5	38.3	47.3	50.3	54.6	57.1	57.3	59.7	60.9	61.7	62.1
≥ 4500	15.3	27.1	33.3	39.2	48.2	51.2	55.5	58.1	58.3	60.7	61.8	61.9	62.7
≥ 4000	15.5	27.7	34.0	39.9	49.1	52.2	56.7	59.3	59.5	61.9	63.1	63.2	64.0
≥ 3500	15.8	28.3	34.7	40.6	49.8	53.0	57.5	60.3	60.5	63.0	64.3	64.3	65.1
≥ 3000	16.6	29.9	36.3	42.2	51.4	54.7	59.2	62.2	62.4	64.9	66.2	66.3	67.1
≥ 2500	17.0	30.6	37.2	43.1	52.7	56.2	60.9	63.8	64.0	66.6	67.9	68.0	68.8
≥ 2000	17.0	31.0	38.1	44.1	54.2	57.8	62.7	65.8	65.9	68.5	70.0	70.1	70.9
≥ 1800	17.0	31.1	38.2	44.2	54.3	58.0	63.2	66.3	66.4	69.0	70.5	70.5	71.4
≥ 1500	17.1	31.5	38.8	45.1	55.4	59.0	64.5	67.6	67.8	70.5	71.9	72.0	72.8
≥ 1200	17.1	31.6	39.0	45.4	56.3	60.0	65.7	68.9	69.1	71.8	73.3	73.4	74.2
≥ 1000	17.1	31.7	39.1	45.7	56.7	60.5	66.6	70.1	70.2	73.0	74.6	74.7	75.5
≥ 900	17.2	31.8	39.3	45.8	57.1	61.2	67.8	71.6	71.8	74.6	76.1	76.2	77.0
≥ 800	17.2	31.8	39.3	45.8	57.2	61.3	68.0	71.8	72.0	74.8	76.4	76.4	77.2
≥ 700	17.2	31.8	39.4	46.0	57.5	61.6	68.8	72.9	73.0	76.0	77.5	77.6	78.4
≥ 600	17.2	31.8	39.4	46.0	57.6	61.8	69.3	73.9	74.3	77.2	78.9	79.7	80.1
≥ 500	17.2	31.8	39.4	46.0	57.9	62.1	69.8	75.1	75.3	78.6	80.4	81.3	81.6
≥ 400	17.2	31.8	39.4	46.0	58.0	62.5	70.3	75.6	76.1	79.3	81.0	81.9	82.2
≥ 300	17.2	31.8	39.4	46.0	58.0	62.8	70.8	76.5	77.1	80.8	82.8	83.8	84.1
≥ 200	17.2	31.8	39.4	46.0	58.0	62.8	70.8	76.5	77.0	81.9	84.1	85.5	86.0
≥ 100	17.2	31.8	39.4	46.0	58.0	62.8	70.9	77.2	77.8	82.3	84.8	86.8	88.1
0	17.2	31.8	39.4	46.0	58.0	62.8	70.9	77.2	77.8	82.3	84.8	86.9	89.3

1239

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	27.0	41.8	45.4	53.2	54.6	55.3	61.7	62.4	62.4	64.5	64.5	64.5	65.3
≥ 20000	29.1	45.4	49.7	57.5	58.9	59.6	66.0	66.7	66.7	68.8	68.8	68.8	69.5
≥ 18000	29.1	45.4	49.7	57.5	58.9	59.6	66.0	66.7	66.7	68.8	68.8	68.8	69.5
≥ 16000	29.1	45.4	49.7	57.5	58.9	59.6	66.0	66.7	66.7	68.8	68.8	68.8	69.5
≥ 14000	29.1	46.1	50.4	58.2	59.6	60.3	66.7	67.4	67.4	69.5	69.5	69.5	70.2
≥ 12000	29.1	46.1	50.4	59.6	61.0	61.7	68.1	68.8	68.8	70.9	70.9	71.6	72.3
≥ 10000	29.8	47.5	52.5	61.7	63.1	63.8	70.2	70.9	70.9	73.1	73.8	74.5	75.2
≥ 9000	30.5	48.2	53.2	62.4	63.8	64.5	70.9	71.6	71.6	73.8	74.5	75.2	75.9
≥ 8000	32.6	51.8	56.7	66.0	67.4	68.1	74.5	75.2	75.2	77.3	78.0	78.7	79.4
≥ 7000	32.6	52.5	57.5	66.7	68.1	68.8	75.2	75.9	75.9	78.0	78.7	79.4	80.1
≥ 6000	33.3	53.2	58.2	67.4	68.8	69.5	75.9	76.6	76.6	78.7	79.4	80.1	80.9
≥ 5000	36.9	57.5	62.4	71.6	73.1	73.8	80.9	81.6	81.6	83.7	84.4	85.1	85.8
≥ 4500	39.7	60.3	65.3	74.5	76.6	77.3	84.4	85.1	85.1	87.2	87.9	88.7	89.4
≥ 4000	39.7	60.3	65.3	74.5	76.6	77.3	84.4	85.1	85.1	87.2	87.9	88.7	89.4
≥ 3500	40.4	61.0	66.0	75.9	77.3	78.0	85.1	85.8	85.8	87.9	88.7	89.4	90.1
≥ 3000	40.4	61.0	66.0	75.9	78.0	78.7	86.5	87.2	87.2	89.4	90.1	90.8	91.5
≥ 2500	40.4	61.0	66.0	75.9	78.7	79.4	87.2	87.9	87.9	90.1	90.8	91.5	92.2
≥ 2000	42.6	63.1	68.1	78.0	80.9	81.6	89.4	90.1	90.1	92.2	92.9	93.6	94.3
≥ 1800	42.6	63.1	68.1	78.0	80.9	81.6	89.4	90.1	90.1	92.2	92.9	93.6	94.3
≥ 1500	42.6	63.8	68.8	78.7	81.6	82.3	90.8	91.5	91.5	93.6	94.3	95.0	95.7
≥ 1200	42.6	63.8	68.8	78.7	81.6	82.3	90.8	91.5	91.5	93.6	94.3	95.0	95.7
≥ 1000	42.6	63.8	68.8	78.7	81.6	82.3	90.8	91.5	91.5	93.6	94.3	95.0	95.7
≥ 900	42.6	63.8	68.8	79.4	82.3	83.0	91.5	92.2	92.2	94.3	95.0	95.7	96.5
≥ 800	42.6	63.8	68.8	79.4	83.0	83.7	92.2	92.9	92.9	95.0	95.7	96.5	97.2
≥ 700	42.6	63.8	68.8	79.4	83.0	83.7	92.2	92.9	92.9	95.0	95.7	96.5	97.2
≥ 600	42.6	63.8	68.8	79.4	83.0	83.7	92.2	92.9	92.9	95.0	95.7	96.5	97.2
≥ 500	43.3	64.5	69.5	80.1	83.7	84.4	92.9	93.6	93.6	95.7	96.5	97.2	97.9
≥ 400	43.3	64.5	69.5	80.1	83.7	84.4	93.6	94.3	94.3	96.5	97.2	97.9	98.6
≥ 300	43.3	64.5	69.5	80.1	83.7	84.4	93.6	94.3	94.3	96.5	97.2	97.9	98.6
≥ 200	43.3	64.5	69.5	80.1	83.7	84.4	93.6	94.3	94.3	96.5	97.2	97.9	98.6
≥ 100	43.3	64.5	69.5	80.1	83.7	84.4	93.6	94.3	94.3	96.5	97.2	97.9	98.6
≥ 0	43.3	64.5	69.5	80.1	83.7	84.4	93.6	94.3	94.3	96.5	97.2	97.9	98.6

TOTAL NUMBER OF OBSERVATIONS

141



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LENDURE, CALIFORNIA  
STATION NAME

73-77

YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	24.1	34.0	40.4	50.4	51.1	51.8	54.6	56.0	56.0	56.0	56.7	56.7	56.7
≥ 20000	27.0	37.6	44.0	53.9	54.6	55.3	59.6	61.0	61.0	61.0	61.7	62.4	62.4
≥ 18000	27.0	37.6	44.0	53.9	54.6	55.3	59.6	61.0	61.0	61.0	61.7	62.4	62.4
≥ 16000	27.0	37.6	44.0	53.9	54.6	55.3	59.6	61.0	61.0	61.0	61.7	62.4	62.4
≥ 14000	27.0	38.3	44.7	54.6	55.3	56.0	60.3	61.7	61.7	61.7	62.4	63.1	63.1
≥ 12000	28.4	40.4	46.8	58.2	59.6	60.3	64.5	66.0	66.0	66.0	66.7	67.4	67.4
≥ 10000	29.1	43.3	50.4	61.7	63.1	63.8	68.1	69.5	69.5	69.5	70.2	70.9	70.9
≥ 9000	29.8	44.0	51.1	62.4	63.8	64.5	68.8	70.2	70.2	70.2	70.9	71.6	71.6
≥ 8000	29.8	44.7	51.8	63.1	64.5	65.0	70.2	71.6	71.6	71.6	72.3	73.1	73.1
≥ 7000	29.8	44.7	51.8	63.1	64.5	65.0	70.2	71.6	71.6	71.6	72.3	73.1	73.1
≥ 6000	30.5	46.1	53.2	65.3	67.4	68.1	73.1	74.5	74.5	74.5	75.2	75.9	75.9
≥ 5000	32.6	48.9	56.7	68.8	70.9	72.3	76.6	78.0	78.0	78.0	78.7	79.4	79.4
≥ 4500	32.6	48.9	56.7	68.8	70.9	72.3	76.6	78.0	78.0	78.0	78.7	79.4	79.4
≥ 4000	32.6	48.9	56.7	68.8	70.9	72.3	76.6	78.0	78.0	78.0	78.7	79.4	79.4
≥ 3500	34.6	51.8	59.6	71.6	73.8	75.2	80.1	81.6	81.6	81.6	82.3	83.0	83.0
≥ 3000	36.2	53.2	61.0	73.1	75.2	76.6	82.3	83.7	83.7	83.7	84.4	85.1	85.1
≥ 2500	36.9	53.9	61.7	73.8	75.9	77.3	83.0	84.4	84.4	84.4	85.1	85.8	85.8
≥ 2000	36.9	53.9	61.7	73.8	75.9	77.3	83.0	84.4	84.4	84.4	85.1	85.8	85.8
≥ 1800	36.9	53.9	61.7	73.8	75.9	77.3	83.0	84.4	84.4	84.4	85.1	85.8	85.8
≥ 1500	37.6	54.6	62.4	75.2	77.3	78.7	85.1	86.5	86.5	86.5	87.2	87.9	87.9
≥ 1200	37.6	54.6	62.4	75.2	77.3	78.7	85.1	86.5	86.5	86.5	87.2	87.9	87.9
≥ 1000	37.6	54.6	63.1	75.9	78.0	79.4	85.8	87.2	87.2	87.2	87.9	88.6	88.6
≥ 900	37.6	54.6	63.1	75.9	78.0	79.4	85.8	87.2	87.2	87.2	87.9	88.6	88.6
≥ 800	37.6	54.6	63.1	75.9	78.0	79.4	85.8	87.2	87.2	87.2	87.9	88.6	88.6
≥ 700	37.6	55.3	63.8	76.6	78.7	80.1	87.2	88.7	88.7	88.7	89.4	90.1	90.1
≥ 600	37.6	55.3	63.8	76.6	78.7	80.1	87.2	88.7	88.7	88.7	89.4	90.1	90.1
≥ 500	38.3	56.0	64.5	77.3	79.4	80.9	87.9	89.4	89.4	89.4	90.1	90.8	90.8
≥ 400	38.3	56.0	64.5	77.3	79.4	80.9	87.9	89.4	89.4	89.4	90.1	90.8	90.8
≥ 300	38.3	56.0	64.5	77.3	79.4	80.9	87.9	89.4	89.4	89.4	90.1	90.8	90.8
≥ 200	38.3	56.0	64.5	77.3	79.4	80.9	87.9	89.4	89.4	89.4	90.1	90.8	90.8
≥ 100	38.3	56.0	64.5	77.3	79.4	80.9	87.9	89.4	89.4	89.4	90.1	90.8	90.8
0	38.3	56.0	64.5	77.3	79.4	80.9	87.9	89.4	89.4	89.4	90.1	90.8	90.8

TOTAL NUMBER OF OBSERVATIONS

141



# CEILING VERSUS VISIBILITY

WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

LEWIS, CALIFORNIA  
STATION NAME

73-77

YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	23.4	30.5	31.9	32.6	37.6	40.4	41.8	45.4	46.1	51.8	51.8	54.6	56.7
≥ 20000	24.1	31.9	33.3	34.8	39.7	43.3	44.7	48.9	49.7	55.3	55.3	58.2	61.7
18000	24.1	31.9	33.3	34.8	39.7	43.3	44.7	48.9	49.7	55.3	55.3	58.2	61.7
16000	24.1	31.9	33.3	34.8	39.7	43.3	44.7	48.9	49.7	55.3	55.3	58.2	61.7
14000	24.8	32.6	34.0	35.5	40.4	44.0	45.4	49.7	50.4	56.0	56.0	58.9	62.4
12000	24.8	33.3	34.8	36.2	41.1	45.4	46.8	51.1	52.5	58.2	58.2	61.0	64.5
10000	25.5	34.0	35.5	37.6	43.3	48.2	49.7	53.9	55.3	61.0	61.0	63.8	67.4
9000	25.5	34.8	36.2	38.3	44.0	48.9	50.4	54.6	56.0	61.7	61.7	64.5	68.1
8000	27.0	36.2	38.3	40.4	46.1	51.8	53.2	57.5	58.9	64.5	64.5	67.4	70.9
7000	27.0	36.2	38.3	40.4	46.1	51.8	53.2	57.5	58.9	64.5	64.5	67.4	70.9
6000	27.7	36.9	39.0	41.1	46.8	52.5	54.6	58.9	60.3	66.0	66.0	68.8	72.3
5000	28.4	38.3	40.4	44.0	50.4	56.0	58.2	62.4	63.8	69.5	69.5	72.3	75.9
4500	29.1	39.0	41.1	44.7	51.1	56.7	59.6	63.8	65.3	70.9	71.6	74.5	78.0
4000	29.1	39.7	41.8	46.1	52.5	58.2	61.0	65.3	66.7	72.3	73.1	75.9	79.4
3500	29.1	40.4	42.6	46.8	53.2	58.9	62.4	66.7	68.1	73.8	74.5	77.3	80.9
3000	30.5	43.3	45.4	49.7	56.0	62.4	66.0	70.2	71.6	77.3	78.0	81.6	85.1
2500	31.9	44.7	46.8	51.1	57.5	64.5	68.1	72.3	73.8	79.4	80.1	83.7	87.2
2000	31.9	44.7	46.8	51.8	58.2	65.3	69.5	73.8	75.2	80.9	81.6	85.1	88.7
1800	31.9	44.7	46.8	51.8	58.2	66.0	70.2	74.5	75.9	81.6	82.3	85.8	89.4
1500	32.6	45.4	47.5	52.5	58.9	66.7	70.9	75.9	77.3	83.0	83.7	87.2	90.8
1200	32.6	45.4	47.5	53.2	59.6	67.4	71.6	77.3	78.7	84.4	85.1	88.7	92.2
1000	32.6	45.4	47.5	53.2	59.6	67.4	71.6	77.3	78.7	84.4	85.1	88.7	92.2
900	32.6	45.4	47.5	53.2	59.6	67.4	71.6	77.3	78.7	84.4	85.1	88.7	92.2
800	32.6	45.4	47.5	53.2	59.6	67.4	71.6	77.3	78.7	84.4	85.1	88.7	92.2
700	33.3	46.1	48.2	53.9	60.3	68.1	72.3	78.0	79.4	85.1	85.8	89.4	92.9
600	33.3	46.1	48.2	53.9	60.3	68.1	72.3	78.0	79.4	85.1	85.8	89.4	92.9
500	33.3	46.1	48.2	53.9	60.3	68.1	72.3	78.0	79.4	85.1	85.8	89.4	92.9
400	33.3	46.1	48.2	53.9	60.3	68.1	72.3	78.0	79.4	85.1	85.8	89.4	92.9
300	33.3	46.1	48.2	53.9	60.3	68.1	72.3	78.0	79.4	85.1	85.8	89.4	92.9
200	33.3	46.1	48.2	53.9	60.3	68.1	72.3	78.0	79.4	85.1	85.8	89.4	92.9
100	33.3	46.1	48.2	53.9	60.3	68.1	72.3	78.0	79.4	85.1	85.8	89.4	92.9
0	33.3	46.1	48.2	53.9	60.3	68.1	72.3	78.0	79.4	85.1	85.8	89.4	92.9

TOTAL NUMBER OF OBSERVATIONS

141

# CEILING VERSUS VISIBILITY

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

FEB  
MONTH

10  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	20.6	29.8	32.6	34.0	38.3	43.3	48.2	51.1	51.8	51.8	53.2	53.2	53.2	53.2
≥ 20000	23.4	32.6	36.2	37.6	41.8	47.5	54.6	57.5	58.2	58.2	59.6	59.6	59.6	59.6
18000	23.4	32.6	36.2	37.6	41.8	47.5	54.6	57.5	58.2	58.2	59.6	59.6	59.6	59.6
16000	23.4	32.6	36.2	37.6	41.8	47.5	54.6	57.5	58.2	58.2	59.6	59.6	59.6	59.6
14000	24.8	34.0	37.6	39.0	43.3	48.9	56.0	58.9	60.3	60.3	61.7	61.7	61.7	61.7
12000	24.8	34.0	37.6	39.0	43.3	49.7	56.7	60.3	61.7	61.7	63.1	63.1	63.1	63.1
10000	26.2	36.2	39.7	41.8	46.1	52.5	59.6	63.1	64.5	64.5	66.0	66.0	66.0	66.0
9000	26.2	37.6	41.1	43.3	47.5	53.9	61.0	64.5	66.0	66.0	67.4	67.4	67.4	67.4
8000	27.0	38.3	41.8	44.0	48.2	54.6	62.4	66.0	67.4	68.1	69.5	69.5	69.5	69.5
7000	27.0	39.0	42.6	44.7	49.7	56.0	63.8	67.4	68.8	69.5	70.9	70.9	70.9	70.9
6000	27.7	39.7	43.3	45.4	50.4	56.7	64.5	68.1	69.5	70.2	71.6	71.6	71.6	71.6
5000	29.1	41.8	45.4	47.5	52.5	58.9	66.7	70.2	71.6	72.3	73.8	73.8	73.8	73.8
4500	30.5	44.0	47.5	49.7	55.3	62.4	70.2	73.8	75.2	75.9	77.3	77.3	77.3	77.3
4000	31.2	44.7	48.2	50.4	56.0	63.1	70.9	74.5	75.9	76.6	78.0	78.0	78.0	78.0
3500	31.2	44.7	48.2	50.4	56.0	63.1	70.9	74.5	75.9	76.6	78.0	78.0	78.0	78.0
3000	33.3	47.5	51.1	53.2	58.9	66.7	74.5	78.0	79.4	80.1	81.6	81.6	81.6	81.6
2500	34.8	49.7	53.2	55.3	61.0	69.5	77.3	80.9	82.3	83.0	84.4	84.4	84.4	84.4
2000	34.8	50.4	53.9	56.0	63.1	71.6	79.4	83.0	84.4	85.1	86.5	86.5	86.5	86.5
1800	34.8	50.4	53.9	56.0	63.8	72.3	80.1	83.7	85.1	85.8	87.2	87.2	87.2	87.2
1500	34.8	50.4	53.9	56.0	64.5	73.1	80.9	84.4	85.8	86.5	87.9	87.9	87.9	87.9
1200	34.8	50.4	53.9	56.0	64.5	73.1	80.9	85.1	86.5	87.2	88.7	88.7	88.7	88.7
1000	34.8	50.4	53.9	56.0	64.5	73.8	81.6	85.8	87.2	87.9	89.4	89.4	89.4	89.4
900	34.8	52.5	56.0	58.9	66.7	75.9	83.7	87.9	89.4	90.1	91.5	91.5	91.5	91.5
800	34.8	52.5	56.0	58.9	66.7	75.9	83.7	87.9	89.4	90.1	91.5	91.5	91.5	91.5
700	34.8	52.5	56.0	58.9	66.7	75.9	83.7	87.9	89.4	90.1	91.5	91.5	91.5	91.5
600	34.8	52.5	56.0	58.9	66.7	75.9	83.7	87.9	89.4	90.1	91.5	91.5	91.5	91.5
500	34.8	52.5	56.0	58.9	66.7	76.6	84.4	88.7	90.1	90.8	92.9	92.9	92.9	92.9
400	34.8	52.5	56.0	58.9	66.7	76.6	85.1	89.4	90.8	91.5	93.6	93.6	93.6	93.6
300	34.8	52.5	56.0	58.9	66.7	76.6	85.1	89.4	91.5	92.2	94.3	94.3	94.3	94.3
200	34.8	52.5	56.0	58.9	66.7	76.6	85.1	90.1	91.5	92.2	94.3	94.3	94.3	94.3
100	34.8	52.5	56.0	58.9	66.7	76.6	85.1	90.1	91.5	92.2	94.3	94.3	94.3	94.3
0	34.8	52.5	56.0	58.9	66.7	76.6	85.1	90.1	91.5	92.2	94.3	94.3	94.3	94.3

141

TOTAL NUMBER OF OBSERVATIONS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

23110  
STATIONLEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

FEB  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)13  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	22.7	34.0	35.5	41.8	47.5	50.4	52.5	53.2	53.2	54.6	55.3	55.3	55.3	55.3
≥ 20000	24.1	36.9	38.3	46.1	51.8	55.3	57.5	58.2	58.2	59.6	60.3	60.3	60.3	60.3
≥ 18000	24.1	36.9	38.3	46.1	52.5	56.0	58.2	58.9	58.9	60.3	61.0	61.0	61.0	61.0
≥ 16000	24.1	37.6	39.0	46.8	53.2	56.7	58.9	59.6	59.6	61.0	61.7	61.7	61.7	61.7
≥ 14000	26.2	39.7	41.1	49.7	56.0	59.6	62.4	63.1	63.1	64.5	65.3	65.3	65.3	65.3
≥ 12000	27.0	41.8	44.0	52.5	58.9	62.4	65.3	66.0	66.0	67.4	68.1	68.1	68.1	68.1
≥ 10000	28.4	44.7	46.8	55.3	61.7	65.3	68.1	68.8	68.8	70.2	70.9	70.9	70.9	70.9
≥ 9000	28.4	45.4	47.5	56.0	62.4	66.0	68.8	69.5	69.5	70.9	71.6	71.6	71.6	71.6
≥ 8000	29.1	48.2	51.1	59.6	66.0	69.5	72.3	73.1	73.1	74.5	75.2	75.2	75.2	75.2
≥ 7000	29.8	50.4	53.2	62.4	69.5	73.1	75.9	76.6	76.6	78.0	78.7	78.7	78.7	78.7
≥ 6000	29.8	50.4	53.2	63.1	70.2	73.8	76.6	77.3	77.3	78.7	79.4	79.4	79.4	79.4
≥ 5000	32.6	53.2	56.0	66.0	73.1	76.6	79.4	80.1	80.1	81.6	82.3	82.3	82.3	82.3
≥ 4500	33.3	55.3	58.9	68.8	75.9	79.4	82.3	83.0	83.0	84.4	85.1	85.1	85.1	85.1
≥ 4000	34.0	56.0	59.6	69.5	76.6	80.1	83.0	83.7	83.7	85.1	85.8	85.8	85.8	85.8
≥ 3500	35.5	58.2	61.7	71.6	78.7	82.3	85.1	85.8	85.8	87.2	87.9	87.9	87.9	87.9
≥ 3000	37.6	61.0	64.5	75.2	82.3	85.8	88.7	89.4	89.4	90.8	91.5	91.5	91.5	91.5
≥ 2500	38.3	61.7	65.3	75.9	84.4	87.9	91.5	92.2	92.2	93.6	94.3	94.3	94.3	94.3
≥ 2000	38.3	62.4	66.0	76.6	85.1	88.7	92.2	92.9	92.9	94.3	95.0	95.0	95.0	95.0
≥ 1800	38.3	62.4	66.0	76.6	85.1	88.7	92.2	92.9	92.9	94.3	95.0	95.0	95.0	95.0
≥ 1500	38.3	62.4	66.7	77.3	85.8	90.1	93.6	94.3	94.3	95.7	96.5	96.5	96.5	96.5
≥ 1200	39.0	63.1	67.4	78.0	86.5	91.5	95.0	95.7	95.7	97.2	97.9	97.9	97.9	97.9
≥ 1000	39.0	63.1	67.4	78.0	87.2	92.2	95.7	96.5	96.5	97.9	98.6	98.6	98.6	98.6
≥ 900	39.0	63.1	67.4	78.0	87.2	92.2	95.7	96.5	96.5	97.9	98.6	98.6	98.6	98.6
≥ 800	39.0	63.1	67.4	78.0	87.2	92.2	95.7	96.5	96.5	97.9	98.6	98.6	98.6	98.6
≥ 700	39.0	63.1	67.4	78.0	87.2	92.2	95.7	96.5	96.5	97.9	98.6	98.6	98.6	98.6
≥ 600	39.0	63.1	67.4	78.0	87.2	92.2	95.7	96.5	96.5	97.2	98.6	99.3	99.3	99.3
≥ 500	39.0	63.1	67.4	78.0	87.2	92.2	95.7	96.5	96.5	97.2	98.6	99.3	99.3	99.3
≥ 400	39.0	63.1	67.4	78.0	87.2	92.2	95.7	96.5	96.5	97.2	98.6	99.3	99.3	99.3
≥ 300	39.0	63.1	67.4	78.0	87.2	92.2	95.7	96.5	96.5	97.2	98.6	99.3	99.3	99.3
≥ 200	39.0	63.1	67.4	78.0	87.2	92.2	95.7	96.5	96.5	97.2	98.6	99.3	99.3	99.3
≥ 100	39.0	63.1	67.4	78.0	87.2	92.2	95.7	96.5	96.5	97.2	98.6	99.3	99.3	99.3
≥ 0	39.0	63.1	67.4	78.0	87.2	92.2	95.7	96.5	96.5	97.2	98.6	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

141



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	24.1	32.6	36.2	46.8	51.1	53.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 20000	23.5	37.6	42.6	53.9	58.9	61.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 18000	25.5	37.6	42.6	53.9	58.9	61.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 16000	25.5	37.6	42.6	53.9	58.9	61.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 14000	25.5	38.3	43.3	54.6	59.6	62.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 12000	26.2	40.4	45.4	57.5	62.4	65.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 10000	29.1	43.3	48.9	61.0	66.0	68.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 9000	30.5	45.4	51.1	63.1	68.1	70.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 8000	30.5	49.7	55.3	67.4	72.3	75.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 7000	31.9	51.8	57.5	69.5	74.5	77.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 6000	31.9	51.8	57.5	70.9	75.9	78.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 5000	34.0	53.9	59.6	73.1	78.0	80.9	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 4500	34.8	56.7	62.4	75.9	80.9	83.7	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 4000	36.9	59.6	65.3	78.7	83.7	86.5	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 3500	36.9	59.6	65.3	78.7	83.7	86.5	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 3000	39.0	63.1	68.8	82.3	87.2	90.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2500	40.4	64.5	70.2	83.7	88.7	91.5	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 2000	40.4	66.0	72.3	86.5	91.5	94.3	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1800	40.4	66.0	72.3	86.5	91.5	94.3	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1500	41.1	66.7	73.1	87.2	92.2	95.0	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1200	41.1	66.7	73.1	87.2	92.2	95.0	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1000	41.1	66.7	73.1	87.2	92.2	95.0	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 900	41.1	66.7	73.1	87.2	92.2	95.0	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 800	41.1	66.7	73.1	87.2	92.2	95.0	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 700	41.1	66.7	73.1	87.2	92.2	95.0	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 600	41.1	66.7	73.1	87.2	92.2	95.0	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 500	41.1	66.7	73.1	87.2	92.2	95.0	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 400	41.1	66.7	73.1	87.2	92.2	95.0	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 300	41.1	66.7	73.1	87.2	92.2	95.0	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 200	41.1	66.7	73.1	87.2	92.2	95.0	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 100	41.1	66.7	73.1	87.2	92.2	95.0	97.9	97.9	97.9	97.9	97.9	97.9	97.9
0	41.1	66.7	73.1	87.2	92.2	95.0	97.9	97.9	97.9	97.9	97.9	97.9	97.9

TOTAL NUMBER OF OBSERVATIONS

141

12120 54221

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LENDORE, CALIFORNIA  
STATION NAME

73-77

YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	31.2	42.6	46.8	56.7	61.7	66.7	68.1	68.8	68.8	68.8	68.8	68.8
≥ 20000	31.9	44.0	48.2	58.9	63.8	68.8	70.2	70.9	70.9	70.9	70.9	70.9
≥ 18000	31.9	44.0	48.2	58.9	63.8	68.8	70.2	70.9	70.9	70.9	70.9	70.9
≥ 16000	31.9	44.0	48.2	58.9	63.8	68.8	70.2	70.9	70.9	70.9	70.9	70.9
≥ 14000	32.6	44.7	49.7	60.3	65.3	70.2	71.6	72.3	72.3	72.3	72.3	72.3
≥ 12000	34.0	46.8	51.8	62.4	67.4	72.3	73.8	74.5	74.5	74.5	74.5	74.5
≥ 10000	35.5	48.9	54.6	65.3	70.2	75.2	76.6	77.3	77.3	77.3	77.3	77.3
≥ 9000	36.9	50.4	56.0	66.7	71.6	76.6	78.0	78.7	78.7	78.7	78.7	78.7
≥ 8000	36.9	52.5	58.9	69.5	74.5	79.4	80.9	81.6	81.6	81.6	81.6	81.6
≥ 7000	37.6	53.2	59.6	70.2	75.2	80.1	81.6	82.3	82.3	82.3	82.3	82.3
≥ 6000	37.6	53.9	60.3	70.9	75.9	80.9	82.3	83.0	83.0	83.0	83.0	83.0
≥ 5000	39.0	56.7	63.1	74.5	79.4	84.4	85.8	87.2	87.2	87.2	87.2	87.2
≥ 4500	41.1	59.6	66.0	77.3	82.3	87.2	88.7	90.1	90.1	90.1	90.1	90.1
≥ 4000	41.1	60.3	66.7	78.0	83.0	87.9	89.4	90.8	90.8	90.8	90.8	90.8
≥ 3500	41.8	61.0	67.4	78.7	83.7	88.7	90.1	91.5	91.5	91.5	91.5	91.5
≥ 3000	44.0	63.8	70.2	81.6	86.5	91.5	92.9	94.3	94.3	94.3	94.3	94.3
≥ 2500	45.4	66.0	73.8	85.1	90.1	95.0	96.5	97.9	97.9	97.9	97.9	97.9
≥ 2000	45.4	66.0	73.8	85.1	90.1	95.0	96.5	97.9	97.9	97.9	97.9	97.9
≥ 1800	45.4	66.0	73.8	85.1	90.1	95.0	96.5	97.9	97.9	97.9	97.9	97.9
≥ 1500	46.1	66.7	74.5	85.8	90.8	95.7	97.9	99.3	99.3	99.3	99.3	99.3
≥ 1200	46.1	66.7	74.5	85.8	90.8	96.5	98.6	100.0	100.0	100.0	100.0	100.0
≥ 1000	46.1	66.7	74.5	85.8	90.8	96.5	98.6	100.0	100.0	100.0	100.0	100.0
≥ 900	46.1	66.7	74.5	85.8	90.8	96.5	98.6	100.0	100.0	100.0	100.0	100.0
≥ 800	46.1	66.7	74.5	85.8	90.8	96.5	98.6	100.0	100.0	100.0	100.0	100.0
≥ 700	46.1	66.7	74.5	85.8	90.8	96.5	98.6	100.0	100.0	100.0	100.0	100.0
≥ 600	46.1	66.7	74.5	85.8	90.8	96.5	98.6	100.0	100.0	100.0	100.0	100.0
≥ 500	46.1	66.7	74.5	85.8	90.8	96.5	98.6	100.0	100.0	100.0	100.0	100.0
≥ 400	46.1	66.7	74.5	85.8	90.8	96.5	98.6	100.0	100.0	100.0	100.0	100.0
≥ 300	46.1	66.7	74.5	85.8	90.8	96.5	98.6	100.0	100.0	100.0	100.0	100.0
≥ 200	46.1	66.7	74.5	85.8	90.8	96.5	98.6	100.0	100.0	100.0	100.0	100.0
≥ 100	46.1	66.7	74.5	85.8	90.8	96.5	98.6	100.0	100.0	100.0	100.0	100.0
0	46.1	66.7	74.5	85.8	90.8	96.5	98.6	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 141



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	31.2	46.1	52.5	61.7	63.8	64.5	68.8	70.2	70.2	70.9	70.9	70.9	70.9	70.9	70.9
≥ 20000	31.9	46.8	53.9	63.8	66.7	67.4	71.6	73.1	73.1	73.8	73.8	73.8	73.8	73.8	73.8
≥ 18000	31.9	46.8	53.9	63.8	66.7	67.4	71.6	73.1	73.1	73.8	73.8	73.8	73.8	73.8	73.8
≥ 16000	31.9	46.8	54.6	64.5	67.4	68.1	72.3	73.8	73.8	74.5	74.5	74.5	74.5	74.5	74.5
≥ 14000	31.9	46.8	55.3	65.3	68.1	68.8	73.1	74.5	74.5	75.2	75.2	75.2	75.2	75.2	75.2
≥ 12000	31.9	47.5	56.0	66.0	68.8	69.5	73.8	75.2	75.2	75.9	75.9	75.9	75.9	75.9	75.9
≥ 10000	35.5	51.1	59.6	69.5	72.3	73.1	77.3	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4
≥ 9000	35.5	51.8	60.3	70.2	73.1	73.8	78.0	79.4	79.4	80.1	80.1	80.1	80.1	80.1	80.1
≥ 8000	36.2	53.9	62.4	72.3	75.2	75.9	80.1	81.6	81.6	82.3	82.3	82.3	82.3	82.3	82.3
≥ 7000	36.9	54.6	63.1	73.1	75.9	76.6	80.9	82.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0
≥ 6000	36.9	55.3	63.8	73.8	76.6	77.3	81.6	83.0	83.0	83.7	83.7	83.7	83.7	83.7	83.7
≥ 5000	39.0	58.2	66.7	76.6	79.4	80.1	84.4	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5
≥ 4500	40.4	60.3	68.8	78.7	81.6	82.3	86.5	87.9	87.9	88.7	88.7	88.7	88.7	88.7	88.7
≥ 4000	40.4	60.3	68.8	78.7	81.6	82.3	86.5	87.9	87.9	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3500	41.8	61.7	70.9	80.9	83.7	84.4	88.7	90.1	90.1	90.8	90.8	90.8	90.8	90.8	90.8
≥ 3000	45.4	65.3	74.5	84.4	87.2	87.9	92.2	93.6	93.6	94.3	94.3	94.3	94.3	94.3	94.3
≥ 2500	46.1	66.7	75.9	85.8	88.7	89.4	93.6	95.0	95.0	95.7	95.7	95.7	95.7	95.7	95.7
≥ 2000	46.1	66.7	75.9	85.8	88.7	89.4	93.6	95.0	95.0	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1800	46.1	66.7	75.9	85.8	88.7	89.4	93.6	95.0	95.0	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1500	46.1	66.7	75.9	85.8	88.7	90.1	94.3	95.7	95.7	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1200	46.8	67.4	76.6	86.5	89.4	90.8	95.0	96.5	96.5	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1000	46.8	67.4	76.6	86.5	89.4	90.8	95.0	96.5	96.5	97.2	97.2	97.2	97.2	97.2	97.2
≥ 900	46.8	67.4	76.6	86.5	89.4	90.8	95.0	96.5	96.5	97.2	97.2	97.2	97.2	97.2	97.2
≥ 800	46.8	67.4	76.6	86.5	89.4	90.8	95.0	96.5	96.5	97.2	97.2	97.2	97.2	97.2	97.2
≥ 700	46.8	67.4	76.6	86.5	89.4	90.8	95.0	96.5	96.5	97.2	97.2	97.2	97.2	97.2	97.2
≥ 600	46.8	67.4	76.6	86.5	89.4	90.8	95.0	96.5	96.5	97.2	97.2	97.2	97.2	97.2	97.2
≥ 500	46.8	67.4	76.6	86.5	89.4	90.8	95.0	96.5	96.5	97.2	97.2	97.2	97.2	97.2	97.2
≥ 400	46.8	67.4	76.6	87.2	90.1	91.5	95.7	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	46.8	67.4	76.6	87.2	90.1	91.5	95.7	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	46.8	67.4	76.6	87.2	90.1	91.5	95.7	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	46.8	67.4	76.6	87.2	90.1	91.5	95.7	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	46.8	67.4	76.6	87.2	90.1	91.5	95.7	98.6	98.6	99.3	99.3	99.3	99.3	99.3	100.0

141

TOTAL NUMBER OF OBSERVATIONS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

23110  
STATION

LEMOURE, CALIFORNIA  
STATION NAME

73-77

YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	25.5	36.4	40.2	47.2	50.7	53.2	56.4	57.8	58.0	59.2	59.5	59.6	60.0
≥ 20000	27.1	39.1	43.3	50.8	54.5	57.4	61.0	62.5	62.7	63.9	64.3	64.4	64.8
≥ 18000	27.1	39.1	43.3	50.8	54.6	57.5	61.1	62.6	62.8	64.0	64.4	64.5	64.9
≥ 16000	27.1	39.2	43.4	51.0	54.8	57.6	61.3	62.8	62.9	64.2	64.5	64.6	65.1
≥ 14000	27.8	40.1	44.5	52.1	55.9	58.8	62.5	64.0	64.3	65.5	65.9	66.0	66.4
≥ 12000	28.3	41.3	45.8	53.9	57.8	60.8	64.5	66.1	66.5	67.7	68.1	68.2	68.6
≥ 10000	29.9	43.6	48.5	56.7	60.7	63.8	67.6	69.2	69.5	70.7	71.2	71.3	71.7
≥ 9000	30.4	44.7	49.6	57.8	61.8	64.9	68.6	70.2	70.6	71.8	72.3	72.8	73.1
≥ 8000	31.1	46.9	52.0	60.3	64.3	67.6	71.4	73.0	73.3	74.7	75.1	75.2	75.6
≥ 7000	31.6	47.8	52.9	61.4	65.6	68.9	72.8	74.4	74.7	76.1	76.5	76.6	77.0
≥ 6000	31.9	48.4	53.6	62.2	66.5	69.8	73.7	75.3	75.6	77.0	77.4	77.5	77.9
≥ 5000	34.0	51.1	56.3	65.3	69.6	72.9	77.0	78.6	79.0	80.3	80.8	80.9	81.3
≥ 4500	35.2	53.0	58.3	67.3	71.8	75.2	79.4	81.1	81.5	82.8	83.3	83.4	83.9
≥ 4000	35.6	53.7	59.0	68.1	72.6	76.0	80.2	81.9	82.3	83.6	84.1	84.2	84.7
≥ 3500	36.2	54.4	59.8	68.9	73.4	76.8	81.1	82.8	83.2	84.5	85.0	85.1	85.6
≥ 3000	38.1	57.1	62.5	71.7	76.2	79.8	84.2	85.9	86.3	87.6	88.1	88.2	88.7
≥ 2500	39.2	58.4	64.0	73.2	78.0	81.7	86.4	88.0	88.4	89.7	90.3	90.4	91.0
≥ 2000	39.5	59.1	64.8	74.2	79.2	82.9	87.6	89.3	89.6	91.0	91.6	91.7	92.2
≥ 1800	39.5	59.1	64.8	74.3	79.3	83.1	87.8	89.5	89.8	91.1	91.8	91.8	92.4
≥ 1500	39.9	59.6	65.3	74.9	80.0	84.0	88.9	90.7	91.1	92.4	93.0	93.1	93.6
≥ 1200	40.1	59.8	65.5	75.2	80.2	84.4	89.4	91.3	91.7	93.0	93.6	93.7	94.2
≥ 1000	40.1	59.8	65.6	75.3	80.4	84.7	89.6	91.7	92.0	93.4	94.0	94.1	94.6
≥ 900	40.1	60.0	65.9	75.6	80.8	85.0	90.1	92.1	92.5	93.8	94.4	94.5	95.0
≥ 800	40.1	60.1	66.0	75.7	80.9	85.2	90.3	92.4	92.7	94.1	94.7	94.8	95.3
≥ 700	40.2	60.2	66.1	75.8	81.0	85.3	90.4	92.5	92.8	94.2	94.8	94.9	95.4
≥ 600	40.2	60.2	66.1	75.8	81.0	85.4	90.6	92.6	93.0	94.3	95.0	95.0	95.6
≥ 500	40.3	60.4	66.2	76.0	81.2	85.6	90.9	92.9	93.3	94.7	95.4	95.5	96.0
≥ 400	40.3	60.4	66.2	76.2	81.4	85.8	91.2	93.4	93.8	95.2	95.9	96.0	96.5
≥ 300	40.3	60.4	66.2	76.2	81.4	85.8	91.3	93.6	94.1	95.5	96.2	96.3	96.9
≥ 200	40.3	60.4	66.2	76.2	81.4	85.8	91.3	93.6	94.1	95.6	96.3	96.4	97.0
≥ 100	40.3	60.4	66.2	76.2	81.4	85.8	91.3	93.6	94.1	95.6	96.4	96.5	97.3
0	40.3	60.4	66.2	76.2	81.4	85.8	91.3	93.6	94.1	95.6	96.4	96.5	97.3

TOTAL NUMBER OF OBSERVATIONS

1128

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOURE, CALIFORNIA  
STATION NAME

73-77

YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	51.6	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 20000	53.6	72.9	73.6	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 18000	54.8	74.2	74.8	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 16000	54.8	74.2	74.8	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 14000	55.5	74.8	75.5	75.5	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 12000	56.1	76.1	76.8	76.8	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 10000	58.7	81.3	81.9	81.9	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 9000	58.7	81.3	81.9	81.9	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 8000	60.7	83.9	85.2	85.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 7000	60.7	83.9	85.2	85.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 6000	61.9	85.2	86.5	86.5	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 5000	63.2	87.1	88.4	88.4	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 4500	63.2	87.1	88.4	88.4	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 4000	63.9	87.7	89.0	89.0	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3500	64.5	90.3	91.6	91.6	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 3000	67.1	93.6	94.8	94.8	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 2500	68.4	94.8	96.1	96.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000	69.7	96.8	98.1	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	69.7	96.8	98.1	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	69.7	96.8	98.1	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	69.7	96.8	98.1	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	69.7	96.8	98.1	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	69.7	96.8	98.1	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	69.7	96.8	98.1	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	69.7	96.8	98.1	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	69.7	96.8	98.1	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	69.7	96.8	98.1	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	69.7	96.8	98.1	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	69.7	96.8	98.1	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	69.7	96.8	98.1	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	69.7	96.8	98.1	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	69.7	96.8	98.1	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110 STATION

LEMOORE, CALIFORNIA

73-77

STATION NAME

YEARS

MAR

MORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	49.7	62.6	67.7	69.0	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 20000	52.9	68.4	73.6	74.8	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.8	76.8
≥ 18000	52.9	68.4	73.6	74.8	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.8	76.8
≥ 16000	52.9	68.4	73.6	74.8	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.8	76.8
≥ 14000	52.9	68.4	73.6	74.8	75.5	75.5	76.1	76.8	76.8	76.8	76.8	77.4	77.4	77.4
≥ 12000	54.2	71.0	76.1	77.4	78.1	78.1	78.7	79.4	79.4	79.4	79.4	80.0	80.0	80.0
≥ 10000	56.1	74.2	79.4	80.7	81.3	81.3	81.9	82.6	82.6	82.6	82.6	83.2	83.2	83.2
≥ 9000	56.1	74.2	79.4	80.7	81.3	81.3	81.9	82.6	82.6	82.6	82.6	83.2	83.2	83.2
≥ 8000	57.4	75.5	80.7	81.9	82.6	82.6	83.2	83.9	83.9	83.9	83.9	84.5	84.5	84.5
≥ 7000	58.7	76.8	81.9	83.2	83.9	83.9	84.5	85.2	85.2	85.2	85.2	85.8	85.8	85.8
≥ 6000	58.7	77.4	83.2	84.5	85.2	85.2	85.8	86.5	86.5	86.5	86.5	87.1	87.1	87.1
≥ 5000	59.4	78.7	84.5	85.8	86.5	86.5	87.1	87.7	87.7	87.7	87.7	88.4	88.4	88.4
≥ 4500	59.4	78.7	84.5	85.8	86.5	86.5	87.1	87.7	87.7	87.7	87.7	88.4	88.4	88.4
≥ 4000	60.0	80.0	85.8	87.1	87.7	87.7	88.4	89.0	89.0	89.0	89.0	89.7	89.7	89.7
≥ 3500	61.9	83.2	89.0	90.3	91.6	91.6	92.3	92.9	92.9	92.9	92.9	93.6	93.6	93.6
≥ 3000	63.9	86.5	92.3	93.6	94.8	94.8	95.5	96.1	96.1	96.1	96.1	96.8	96.8	96.8
≥ 2500	64.5	88.4	94.2	95.5	96.8	96.8	97.4	98.1	98.1	98.1	98.1	98.7	98.7	98.7
≥ 2000	65.2	89.0	94.8	96.1	97.4	97.4	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4
≥ 1800	65.2	89.0	94.8	96.1	97.4	97.4	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4
≥ 1500	65.2	89.0	95.5	96.8	98.1	98.1	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 1200	65.2	89.0	95.5	96.8	98.1	98.1	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 1000	65.2	89.0	95.5	96.8	98.1	98.1	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 900	65.2	89.0	95.5	96.8	98.1	98.1	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 800	65.2	89.0	95.5	96.8	98.1	98.1	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 700	65.2	89.0	95.5	96.8	98.1	98.1	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 600	65.2	89.0	95.5	96.8	98.1	98.1	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 500	65.2	89.0	95.5	96.8	98.1	98.1	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 400	65.2	89.0	95.5	96.8	98.1	98.1	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 300	65.2	89.0	95.5	96.8	98.1	98.1	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 200	65.2	89.0	95.5	96.8	98.1	98.1	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 100	65.2	89.0	95.5	96.8	98.1	98.1	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 0	65.2	89.0	95.5	96.8	98.1	98.1	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

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# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	42.6	52.9	56.1	57.4	59.4	60.7	61.3	62.0	62.6	63.2	63.2
≥ 20000	45.2	56.1	59.4	60.7	62.6	64.5	65.2	67.1	67.1	67.7	67.7
18000	45.2	56.1	60.0	61.3	63.2	65.2	65.8	67.7	67.7	68.4	68.4
16000	45.2	56.1	60.0	61.3	63.2	65.2	65.8	67.7	67.7	69.0	69.0
14000	45.2	56.1	60.0	61.3	63.2	65.2	65.8	67.7	67.7	69.0	69.0
12000	45.8	56.8	60.7	61.9	64.5	66.5	67.1	69.0	69.0	70.3	70.3
10000	47.7	60.0	64.5	65.8	69.0	71.0	71.6	73.6	73.6	75.5	75.5
9000	48.4	61.3	65.8	67.1	71.0	72.9	73.6	75.5	75.5	77.4	77.4
8000	49.7	63.2	67.7	69.0	72.9	74.8	75.5	77.4	77.4	79.4	79.4
7000	50.3	64.5	69.0	70.3	74.2	76.1	76.8	78.7	78.7	80.7	80.7
6000	50.3	64.5	69.7	71.0	74.8	77.4	78.1	80.0	80.0	81.9	81.9
5000	51.6	65.8	71.0	72.3	76.1	78.7	79.4	81.3	81.3	83.2	83.2
4500	51.6	65.8	71.6	72.9	76.8	79.4	80.0	81.9	81.9	83.9	83.9
4000	52.3	66.5	72.3	73.6	78.7	81.3	81.9	83.9	83.9	85.8	85.8
3500	54.2	69.7	75.5	76.8	81.9	84.5	85.2	87.1	87.1	89.0	89.0
3000	54.8	71.0	76.8	78.1	83.2	86.5	88.4	90.3	90.3	92.3	92.3
2500	54.8	71.6	77.4	79.4	84.5	87.7	89.7	91.6	91.6	93.6	93.6
2000	56.1	73.6	79.4	81.3	86.5	89.7	91.6	93.6	93.6	95.5	95.5
1800	56.1	74.2	80.0	81.9	87.1	90.3	92.3	94.2	94.2	96.1	96.1
1500	56.1	74.8	80.7	82.6	87.7	91.0	92.9	94.8	94.8	96.8	96.8
1200	56.1	74.8	80.7	82.6	87.7	91.0	92.9	94.8	94.8	96.8	96.8
1000	56.1	74.8	80.7	82.6	87.7	91.0	92.9	94.8	94.8	96.8	96.8
900	56.1	74.8	80.7	82.6	87.7	91.0	92.9	94.8	94.8	96.8	96.8
800	56.1	74.8	80.7	82.6	87.7	91.0	92.9	94.8	94.8	96.8	96.8
700	56.1	74.8	80.7	82.6	87.7	91.0	92.9	94.8	94.8	96.8	96.8
600	56.1	74.8	80.7	82.6	87.7	91.0	92.9	94.8	94.8	96.8	96.8
500	56.1	74.8	80.7	82.6	87.7	91.0	92.9	94.8	94.8	96.8	96.8
400	56.1	74.8	80.7	82.6	87.7	91.0	92.9	94.8	94.8	96.8	96.8
300	56.1	74.8	80.7	82.6	87.7	91.0	93.6	95.5	95.5	97.4	97.4
200	56.1	74.8	80.7	82.6	87.7	91.0	93.6	95.5	95.5	97.4	97.4
100	56.1	74.8	80.7	82.6	87.7	91.0	93.6	95.5	95.5	97.4	97.4
0	56.1	74.8	80.7	82.6	87.7	91.0	93.6	95.5	95.5	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

23110  
STATION

LEMOURE, CALIFORNIA  
STATION NAME

73-77

YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	39.4	51.6	56.8	59.4	61.3	61.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 20000	40.7	55.5	60.7	63.2	65.2	65.8	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 18000	40.7	55.5	60.7	63.2	65.2	65.8	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 16000	40.7	56.1	61.3	63.9	66.5	67.1	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 14000	41.9	58.1	63.9	66.5	69.0	69.7	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 12000	41.9	58.1	63.9	66.5	69.0	69.7	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 10000	44.5	61.3	67.1	69.7	72.9	73.6	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 9000	45.8	62.6	68.4	71.0	74.2	74.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 8000	46.5	65.8	72.3	74.8	78.1	78.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 7000	47.1	66.5	72.9	75.5	78.7	79.4	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 6000	47.1	66.5	72.9	75.5	78.7	79.4	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 5000	49.7	69.0	75.5	78.1	81.3	81.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4500	50.3	71.6	78.1	80.7	83.9	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 4000	52.9	74.2	80.7	83.2	86.5	87.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 3500	54.2	75.5	81.9	84.5	87.7	89.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 3000	55.5	77.4	83.9	86.5	89.7	91.0	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2500	56.1	79.4	85.8	88.4	91.6	92.9	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2000	56.8	80.0	86.5	89.0	92.3	93.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1800	56.8	80.0	86.5	89.0	92.3	93.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1500	58.7	82.6	89.7	92.3	95.5	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	58.7	82.6	89.7	92.3	95.5	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	58.7	82.6	89.7	92.3	95.5	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	58.7	82.6	89.7	92.3	95.5	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	58.7	82.6	89.7	92.3	95.5	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	58.7	83.2	90.3	92.9	96.1	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	58.7	83.2	90.3	92.9	96.1	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	58.7	83.2	90.3	92.9	96.1	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	58.7	83.2	90.3	92.9	96.1	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	58.7	83.2	90.3	92.9	96.1	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	58.7	83.2	90.3	92.9	96.1	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	58.7	83.2	90.3	92.9	96.1	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	58.7	83.2	90.3	92.9	96.1	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	36.8	49.7	54.8	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 20000	40.7	54.8	60.0	60.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
18000	40.7	54.8	60.0	60.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
16000	40.7	54.8	60.0	60.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
14000	41.3	56.1	61.9	62.6	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
12000	43.2	58.1	63.9	64.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
10000	45.2	60.0	65.8	66.5	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
9000	45.2	60.0	65.8	66.5	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
8000	46.5	62.6	68.4	69.7	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
7000	46.5	63.2	69.0	70.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
6000	46.5	63.2	69.0	70.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
5000	49.7	66.5	72.3	73.6	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
4500	51.6	69.0	74.8	76.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
4000	52.9	71.0	76.8	78.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
3500	56.8	75.5	81.3	83.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
3000	60.0	80.0	86.5	88.4	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
2500	61.9	83.2	89.7	91.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
2000	61.9	84.5	91.6	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
1800	61.9	84.5	91.6	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
1500	63.2	85.8	93.6	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1200	63.2	85.8	94.2	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	63.2	85.8	94.2	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	63.2	85.8	94.2	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	63.2	85.8	94.2	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	63.2	85.8	94.2	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	63.2	85.8	94.2	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	63.2	85.8	94.2	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	63.2	85.8	94.2	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	63.2	85.8	94.2	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	63.2	85.8	94.2	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	63.2	85.8	94.2	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	63.2	85.8	94.2	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155



## CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATIONLEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

MAR  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)16  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	34.8	47.7	51.0	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 20000	45.8	60.7	64.5	65.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 18000	45.8	60.7	64.5	65.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 16000	45.8	60.7	64.5	65.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 14000	46.5	61.9	66.5	67.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 12000	48.4	64.5	69.0	69.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 10000	48.4	64.5	69.0	69.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 9000	48.4	64.5	69.0	69.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 8000	52.3	68.4	73.6	74.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 7000	53.6	69.7	74.8	75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 6000	54.2	70.3	75.5	76.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 5000	54.2	71.0	76.1	76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4500	55.5	72.3	77.4	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4000	57.4	75.8	81.9	82.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3500	59.4	80.7	85.8	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3000	62.6	86.5	91.6	92.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2500	64.5	89.0	94.8	95.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000	65.2	90.3	96.1	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	65.2	90.3	96.1	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	66.5	91.6	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	66.5	91.6	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	66.5	91.6	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	66.5	91.6	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	66.5	91.6	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	66.5	91.6	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	66.5	91.6	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	66.5	91.6	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	66.5	91.6	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	66.5	91.6	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	66.5	91.6	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	66.5	91.6	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	66.5	91.6	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	48.4	63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 20000	54.2	70.3	71.6	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 18000	54.2	70.3	71.6	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 16000	54.2	70.3	71.6	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 14000	54.2	71.0	72.3	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 12000	55.5	72.9	74.2	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 10000	57.4	76.1	77.4	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 9000	58.1	76.8	78.1	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 8000	59.4	78.1	79.4	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 7000	61.3	80.7	81.9	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 6000	61.3	80.7	81.9	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 5000	63.9	85.2	86.5	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 4500	64.5	86.5	88.4	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 4000	65.8	88.4	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 3500	67.7	91.0	92.9	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 3000	67.7	92.3	94.8	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2500	71.0	95.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	71.0	95.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	71.0	95.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	71.0	95.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	71.0	95.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	71.0	95.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	71.0	95.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	71.0	95.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	71.0	95.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	71.0	95.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	71.0	95.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	71.0	95.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	71.0	95.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	71.0	95.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	71.0	95.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	71.0	95.5	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

AD-A060 608

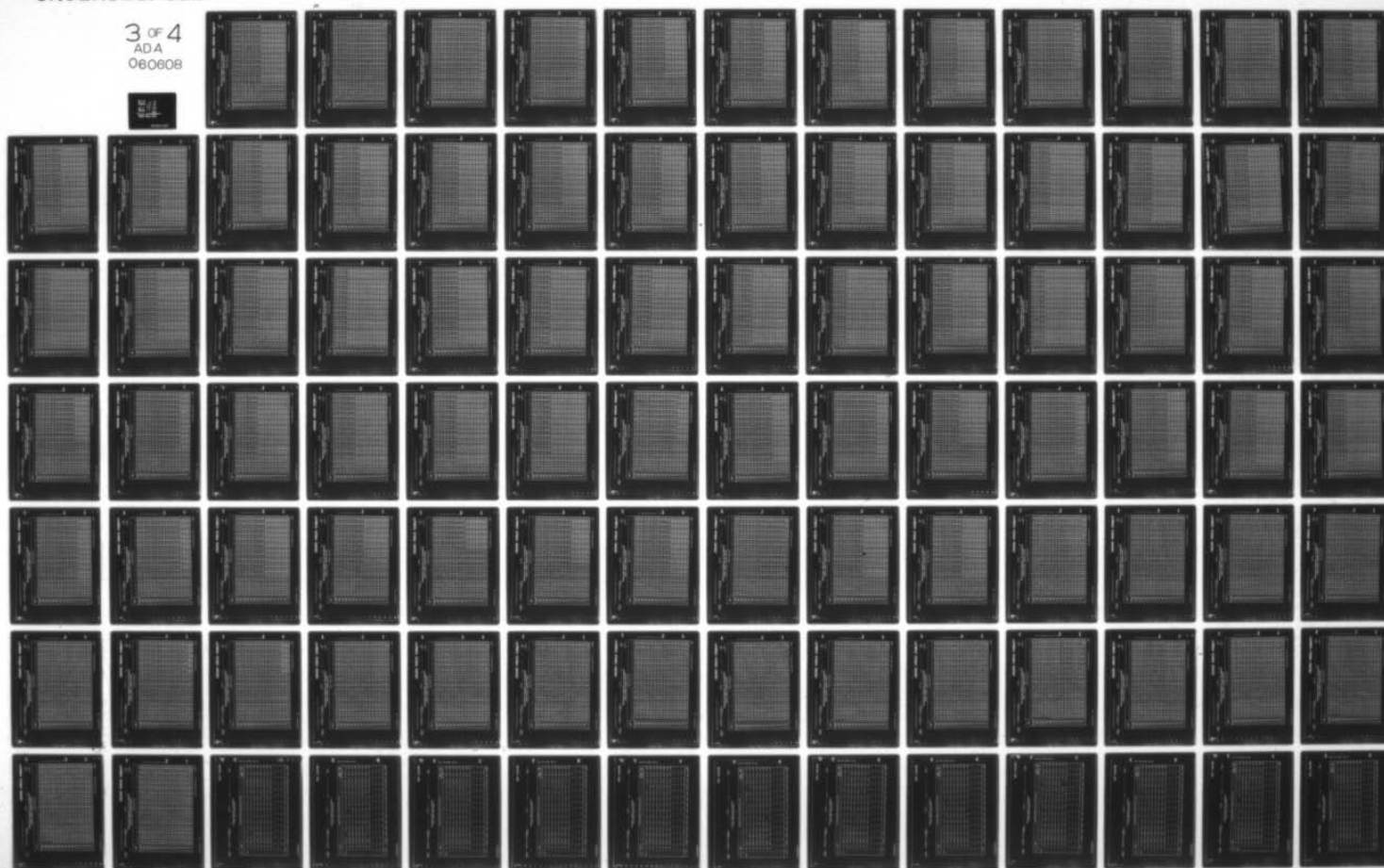
NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C  
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS), LEMOORE--ETC(U)  
JUL 78

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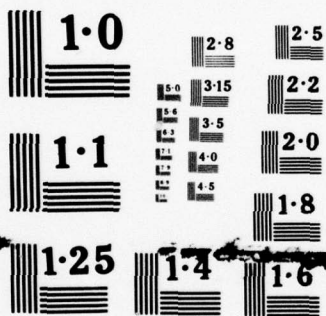
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NATIONAL BUREAU OF STANDARDS  
MICROCOPY RESOLUTION TEST CHART

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	53.6	73.6	73.6	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 20000	56.1	76.8	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 18000	56.8	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 16000	56.8	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 14000	57.4	78.1	78.1	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 12000	60.0	81.9	81.9	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 10000	60.0	83.2	83.2	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 9000	60.0	83.2	83.2	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 8000	61.9	85.8	85.8	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 7000	63.2	87.1	87.1	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 6000	63.9	88.4	88.4	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 5000	65.2	89.7	89.7	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 4500	65.2	89.7	89.7	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 4000	65.8	91.0	91.0	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 3500	67.7	92.9	92.9	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 3000	69.0	95.5	95.5	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2500	69.0	96.1	96.1	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2000	70.3	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	70.3	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	70.3	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	70.3	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	70.3	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	70.3	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	70.3	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	70.3	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	70.3	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	70.3	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	70.3	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	70.3	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	70.3	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	70.3	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	70.3	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77  
YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	44.6	58.9	61.8	62.6	63.4	63.6	64.0	64.1	64.2	64.2	64.2	64.2	64.3	64.4
≥ 20000	48.6	64.4	67.5	68.4	69.5	69.8	70.2	70.5	70.6	70.6	70.6	70.6	70.7	70.8
≥ 18000	48.9	64.7	67.8	68.7	69.8	70.2	70.6	70.8	70.8	70.9	70.9	70.9	71.0	71.1
≥ 16000	48.9	64.8	67.9	68.8	70.0	70.3	70.7	71.0	71.0	71.1	71.1	71.1	71.3	71.4
≥ 14000	49.4	65.6	69.0	69.9	71.2	71.6	72.0	72.3	72.3	72.5	72.5	72.5	72.7	72.7
≥ 12000	50.7	67.4	70.8	71.8	73.2	73.6	74.0	74.3	74.3	74.4	74.4	74.4	74.6	74.7
≥ 10000	52.3	70.1	73.6	74.5	76.1	76.5	76.9	77.2	77.2	77.4	77.4	77.5	77.6	77.7
≥ 9000	52.6	70.5	74.0	74.9	76.5	76.9	77.3	77.7	77.7	77.9	77.9	78.0	78.1	78.2
≥ 8000	54.3	72.9	76.6	77.8	79.4	79.8	80.2	80.6	80.6	80.8	80.8	80.9	81.0	81.1
≥ 7000	55.2	74.0	77.7	79.0	80.6	81.0	81.4	81.7	81.7	81.9	81.9	82.0	82.1	82.3
≥ 6000	55.5	74.5	78.4	79.6	81.2	81.7	82.1	82.4	82.4	82.7	82.7	82.7	82.8	83.0
≥ 5000	57.1	76.6	80.5	81.7	83.3	83.8	84.2	84.5	84.5	84.8	84.8	84.8	84.9	85.1
≥ 4500	57.7	77.6	81.6	82.8	84.4	84.9	85.3	85.7	85.7	85.9	85.9	86.0	86.1	86.2
≥ 4000	58.9	79.4	83.5	84.8	86.4	87.1	87.5	87.8	87.8	88.1	88.1	88.2	88.2	88.4
≥ 3500	60.8	82.3	86.4	87.7	89.5	90.1	90.5	90.8	90.8	91.1	91.1	91.1	91.2	91.4
≥ 3000	62.6	85.3	89.5	90.8	92.8	93.5	94.0	94.4	94.4	94.6	94.6	94.7	94.8	94.9
≥ 2500	63.8	87.3	91.5	92.9	94.9	95.6	96.1	96.5	96.5	96.7	96.7	96.8	96.9	97.0
≥ 2000	64.5	88.5	92.8	94.4	96.5	97.1	97.7	98.0	98.0	98.2	98.2	98.3	98.4	98.6
≥ 1800	64.5	88.6	92.9	94.4	96.5	97.2	97.7	98.1	98.1	98.3	98.3	98.4	98.5	98.6
≥ 1500	65.1	89.3	93.9	95.4	97.5	98.2	98.7	99.0	99.0	99.3	99.3	99.4	99.4	99.6
≥ 1200	65.1	89.3	94.0	95.5	97.6	98.2	98.8	99.1	99.1	99.4	99.4	99.4	99.5	99.7
≥ 1000	65.1	89.3	94.0	95.5	97.6	98.2	98.8	99.1	99.1	99.4	99.4	99.4	99.5	99.7
≥ 900	65.1	89.3	94.0	95.5	97.6	98.2	98.8	99.1	99.1	99.4	99.4	99.4	99.5	99.7
≥ 800	65.1	89.3	94.0	95.5	97.6	98.2	98.8	99.1	99.1	99.4	99.4	99.4	99.5	99.7
≥ 700	65.1	89.4	94.0	95.6	97.7	98.3	98.9	99.2	99.2	99.4	99.4	99.4	99.5	99.8
≥ 600	65.1	89.4	94.0	95.6	97.7	98.3	99.0	99.3	99.3	99.5	99.5	99.6	99.7	99.8
≥ 500	65.1	89.4	94.0	95.6	97.7	98.3	99.0	99.3	99.3	99.5	99.5	99.6	99.7	99.8
≥ 400	65.1	89.4	94.0	95.6	97.7	98.3	99.0	99.3	99.3	99.5	99.5	99.6	99.7	99.8
≥ 300	65.1	89.4	94.0	95.6	97.7	98.3	99.0	99.4	99.4	99.6	99.6	99.7	99.8	99.9
≥ 200	65.1	89.4	94.0	95.6	97.7	98.3	99.0	99.4	99.4	99.6	99.6	99.7	99.8	99.9
≥ 100	65.1	89.4	94.0	95.6	97.7	98.3	99.0	99.4	99.4	99.6	99.6	99.7	99.8	99.9
0	65.1	89.4	94.0	95.6	97.7	98.3	99.0	99.4	99.4	99.6	99.6	99.7	99.8	99.9

1240

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

23110  
STATIONLENOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

APR  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)01  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	71.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 20000	72.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 18000	72.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 16000	72.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 14000	72.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 12000	73.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 10000	75.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 9000	75.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 8000	76.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 7000	78.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 6000	78.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 5000	81.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 4500	81.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 4000	81.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 3500	82.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 3000	83.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2500	83.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2000	83.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1800	83.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	83.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	83.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	83.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	83.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	83.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	83.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	83.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	83.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	83.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	83.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	83.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	83.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	83.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	73.3	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 20000	74.7	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 18000	74.7	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 16000	74.7	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 14000	74.7	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 12000	76.7	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 10000	78.0	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 9000	78.0	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 8000	78.7	89.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 7000	80.0	90.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 6000	80.7	91.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 5000	82.0	92.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 4500	82.0	92.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 4000	82.0	94.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 3500	82.7	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 3000	83.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2500	83.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2000	83.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1800	83.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	83.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	83.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	83.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	83.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	83.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	83.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	83.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	83.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	83.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	83.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	83.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	83.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	83.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	67.3	74.7	74.7	75.3	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 20000	72.7	80.7	81.3	82.0	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
18000	72.7	80.7	81.3	82.0	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
16000	72.7	80.7	81.3	82.0	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
14000	74.7	82.7	83.3	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
12000	74.7	82.7	83.3	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
10000	77.3	85.3	86.0	86.7	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
9000	78.0	86.0	86.7	87.3	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
8000	80.0	88.0	88.7	89.3	90.0	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
7000	80.7	89.3	90.0	90.7	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
6000	80.7	89.3	90.0	90.7	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
5000	81.3	90.7	91.3	92.0	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
4500	82.7	92.7	93.3	94.0	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
4000	83.3	94.0	94.7	95.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
3500	84.0	94.7	95.3	96.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
3000	84.0	94.7	95.3	96.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
2500	84.0	95.3	96.0	96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2000	84.0	95.3	96.0	96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1800	84.0	95.3	96.0	96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1500	84.0	95.3	96.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	84.0	95.3	96.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	84.0	95.3	96.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	84.0	95.3	96.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	84.0	95.3	96.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	84.0	95.3	96.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	84.0	95.3	96.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	84.0	95.3	96.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	84.0	95.3	96.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	84.0	95.3	96.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	84.0	95.3	96.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	84.0	95.3	96.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	84.0	95.3	96.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

150

TOTAL NUMBER OF OBSERVATIONS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	62.7	73.3	73.3	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 20000	70.0	81.3	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 18000	70.0	81.3	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 16000	70.0	81.3	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 14000	71.3	82.7	82.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 12000	72.0	83.3	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 10000	73.3	84.7	84.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 9000	73.3	84.7	84.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 8000	76.0	86.0	86.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 7000	76.0	86.0	86.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 6000	76.0	86.0	86.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 5000	77.3	90.0	90.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 4500	78.0	90.7	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 4000	79.3	92.0	92.0	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 3500	81.3	94.7	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 3000	83.3	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2500	83.3	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2000	83.3	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1800	83.3	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	83.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	83.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	83.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	83.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	83.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	83.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	83.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	83.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	83.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	83.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	83.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	83.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	83.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

APR  
MONTH

13  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	54.7	66.7	66.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 20000	62.7	76.0	76.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 18000	62.7	76.0	76.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 16000	62.7	76.0	76.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 14000	63.3	76.7	76.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 12000	64.7	78.0	78.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 10000	66.0	79.3	79.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 9000	66.0	79.3	79.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 8000	66.7	80.0	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 7000	66.7	80.7	80.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 6000	67.3	81.3	81.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 5000	68.7	82.7	82.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4500	70.0	84.7	84.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 4000	72.0	88.0	88.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 3500	76.7	92.7	92.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 3000	79.3	96.7	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 2500	79.3	98.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	79.3	98.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	79.3	98.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	79.3	98.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	79.3	98.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	79.3	98.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	79.3	98.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	79.3	98.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	79.3	98.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	79.3	98.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	79.3	98.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	79.3	98.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	79.3	98.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	79.3	98.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	79.3	98.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	79.3	98.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

150

TOTAL NUMBER OF OBSERVATIONS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOURE, CALIFORNIA  
STATION NAME

73-77

YEARS

APR  
MONTH

16  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	62.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 20000	66.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 18000	66.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 16000	66.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 14000	66.0	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 12000	67.3	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 10000	68.0	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 9000	68.0	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 8000	68.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 7000	69.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 6000	69.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 5000	71.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 4500	72.7	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 4000	74.7	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 3500	74.7	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 3000	80.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	80.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	80.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	80.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	80.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	80.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	80.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	80.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	80.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	80.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	80.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	80.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	80.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	80.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	80.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	80.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	80.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

APR  
MONTH

19  
HOURS (L S T)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 0
NO CEILING	72.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 20000	76.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 18000	76.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 16000	76.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 14000	76.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 12000	76.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 10000	78.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 9000	78.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 8000	80.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 7000	80.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 6000	81.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 5000	82.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 4500	82.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 4000	84.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 3500	84.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 3000	85.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 2500	86.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2000	86.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1800	86.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	86.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	86.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	86.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	86.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	86.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	86.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	86.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	86.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	86.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	86.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	86.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	86.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	86.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LENDORE, CALIFORNIA  
STATION NAME

73-77

YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	73.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 20000	74.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 18000	74.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 16000	74.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 14000	74.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 12000	75.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 10000	76.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 9000	77.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 8000	78.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 7000	80.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 6000	82.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 5000	82.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 4500	82.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 4000	82.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 3500	84.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3000	84.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2500	84.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2000	84.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	84.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	84.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	84.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	84.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	84.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	84.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	84.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	84.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	84.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	84.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	84.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	84.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	84.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	84.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

23110 STATION

LEMOORE, CALIFORNIA STATION NAME

73-77 YEARS

APR MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	67.2	77.2	77.3	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 20000	71.2	82.3	82.6	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 18000	71.2	82.3	82.6	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 16000	71.2	82.3	82.6	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 14000	71.7	83.1	83.3	83.6	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 12000	72.6	84.2	84.4	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 10000	74.2	86.1	86.3	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 9000	74.3	86.3	86.5	86.8	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 8000	75.6	87.8	88.1	88.3	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 7000	76.5	89.0	89.3	89.6	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 6000	76.8	89.3	89.6	89.8	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 5000	78.2	91.1	91.4	91.7	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 4500	78.7	91.8	92.2	92.4	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 4000	79.8	93.4	93.8	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 3500	81.1	95.2	95.5	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 3000	82.9	97.7	98.0	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 2500	83.1	98.1	98.5	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 2000	83.1	98.3	98.7	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1800	83.1	98.4	98.8	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	83.1	98.5	99.0	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	83.1	98.5	99.0	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	83.1	98.5	99.0	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	83.1	98.5	99.0	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	83.1	98.5	99.0	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	83.1	98.5	99.0	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	83.1	98.5	99.0	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	83.1	98.5	99.0	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	83.1	98.5	99.0	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	83.1	98.5	99.0	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	83.1	98.5	99.0	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	83.1	98.5	99.0	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0	83.1	98.5	99.0	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1200



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LENDURE, CALIFORNIA  
STATION NAME

73-77

YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	99.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 20000	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
18000	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
16000	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
14000	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
12000	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
10000	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
9000	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
8000	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
7000	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
6000	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
5000	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
4500	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
4000	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
3500	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
3000	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2500	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
2000	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

MAY  
MONTH

04  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	90.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 20000	91.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 18000	91.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 16000	91.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 14000	92.9	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 12000	92.9	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 10000	94.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 9000	94.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 8000	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 7000	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 6000	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 5000	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 4500	94.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 4000	94.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3500	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3000	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2500	95.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	95.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	95.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	95.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	95.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	95.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	95.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	95.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	95.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	95.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	95.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	95.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	95.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	95.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	95.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	95.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	87.1	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 20000	89.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 18000	89.7	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 16000	89.7	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 14000	90.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 12000	91.0	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 10000	91.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 9000	91.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 8000	92.9	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 7000	94.2	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 6000	94.2	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 5000	94.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 4500	95.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4000	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3500	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3000	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2500	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

23110  
STATIONLEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

MAY  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)10  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	83.9	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 20000	89.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
18000	89.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
16000	89.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
14000	91.0	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
12000	91.0	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
10000	92.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
9000	92.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
8000	92.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
7000	92.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
6000	92.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
5000	93.6	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
4500	94.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
4000	94.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
3500	94.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
3000	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
2500	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
2000	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13  
HOURS (L.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	81.3	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 20000	85.8	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 18000	85.8	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 16000	86.5	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 14000	87.1	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 12000	87.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 10000	87.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 9000	87.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
8000	88.4	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
7000	88.4	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
6000	88.4	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
5000	89.0	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
4500	89.0	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
4000	92.9	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
3500	94.2	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
3000	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2500	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2000	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 20000	85.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 18000	85.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 16000	85.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 14000	87.1	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 12000	87.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 10000	88.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 9000	89.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 8000	89.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 7000	90.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 6000	90.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 5000	91.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 4500	91.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 4000	94.2	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3500	94.2	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3000	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 20000	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 18000	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 16000	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 14000	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 12000	89.0	89.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 10000	91.6	93.6	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 9000	91.6	93.6	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 8000	92.3	94.2	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 7000	92.3	94.2	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 6000	92.9	94.8	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 5000	92.9	94.8	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 4500	93.6	95.5	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 4000	95.5	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3500	96.1	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3000	96.1	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2500	96.1	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2000	96.1	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1800	96.1	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	96.1	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	96.1	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	96.1	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	96.1	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	96.1	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	96.1	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	96.1	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	96.1	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	96.1	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	96.1	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	96.1	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	96.1	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	96.1	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

155

TOTAL NUMBER OF OBSERVATIONS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEAR

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 20000	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 18000	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 16000	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 14000	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 12000	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 10000	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 9000	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 8000	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 7000	94.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 6000	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 5000	95.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 4500	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 4000	95.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3500	95.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3000	95.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2500	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2000	96.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	96.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	96.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	96.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	96.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	96.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	96.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	96.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	96.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	96.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	96.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	96.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	96.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	96.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	96.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	84.8	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 20000	88.8	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 18000	88.9	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 16000	89.2	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 14000	90.2	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 12000	90.6	92.0	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 10000	91.6	93.5	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 9000	91.7	93.6	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 8000	92.5	94.7	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 7000	92.7	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 6000	92.9	95.2	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 5000	93.6	96.2	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 4500	93.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 4000	94.8	98.0	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 3500	95.2	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 3000	95.6	98.9	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2500	95.7	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 2000	95.8	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	95.8	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	95.8	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	95.8	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	95.8	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	95.8	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	95.8	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	95.8	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	95.8	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	95.8	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	95.8	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	95.8	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	95.8	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	95.8	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	95.8	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1240



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	87.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 20000	88.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
18000	88.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 16000	88.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
14000	89.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
12000	90.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
10000	90.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 9000	90.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
8000	90.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
7000	90.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
6000	90.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
5000	90.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
4500	90.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
4000	90.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3500	90.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3000	90.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2500	90.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2000	90.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800	90.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	90.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	90.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	90.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	90.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	90.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	90.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	90.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	90.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	90.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	90.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	90.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	90.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	90.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	86.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 20000	88.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
18000	88.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
16000	88.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
14000	88.7	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
12000	90.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
10000	90.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
9000	90.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
8000	90.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
7000	90.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
6000	90.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
5000	90.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
4500	90.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
4000	91.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3500	91.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3000	91.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2500	91.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2000	91.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800	91.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	91.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	91.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	91.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	91.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	91.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	91.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	91.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	91.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	91.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	91.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	91.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	91.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	91.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07  
HOURS (L S T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	84.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 20000	86.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 18000	88.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 16000	88.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 14000	89.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 12000	91.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 10000	91.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 9000	91.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 8000	91.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 7000	92.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 6000	92.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 5000	93.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	93.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	93.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	93.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	93.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	93.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	93.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	93.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	93.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	93.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	93.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	93.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	93.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	93.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	93.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	93.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	93.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	93.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	93.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	93.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	93.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150



# CEILING VERSUS VISIBILITY

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16
NO CEILING	84.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 20000	90.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
AI 18000	90.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
AI 16000	90.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
AI 14000	91.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
AI 12000	91.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
AI 10000	91.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
AI 9000	91.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
AI 8000	92.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 7000	92.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 6000	92.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 5000	92.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 4500	92.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 4000	92.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 3500	92.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 3000	92.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 2500	92.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 2000	92.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 1800	92.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 1500	92.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 1200	92.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 1000	92.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 900	92.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 800	92.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 700	92.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 600	92.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 500	92.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 400	92.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 300	92.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 200	92.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 100	92.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	92.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

JUN  
MONTH

13

HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	82.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 20000	90.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 18000	90.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 16000	90.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 14000	90.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 12000	90.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 10000	90.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 9000	90.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 8000	90.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 7000	90.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 6000	90.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 5000	91.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4500	91.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4000	91.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	91.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	91.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	91.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	91.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	91.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	91.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	91.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	91.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	91.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	91.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	91.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	91.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	91.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	91.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	91.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	91.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	91.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	91.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	75.3	83.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 20000	84.0	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 18000	84.0	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 16000	84.0	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 14000	85.3	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 12000	85.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 10000	85.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 9000	85.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 8000	85.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 7000	85.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 6000	85.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 5000	85.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4500	85.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4000	85.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3500	85.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3000	86.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	86.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	86.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	86.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	86.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	86.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	86.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	86.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	86.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	86.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	86.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	86.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	86.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	86.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	86.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	86.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	86.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS



2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

23110  
STATIONLEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

JUN  
MONTH19  
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	73.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 20000	84.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 18000	84.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 16000	84.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 14000	86.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 12000	87.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 10000	88.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 9000	88.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 8000	88.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 7000	88.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	88.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	88.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	88.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	88.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	88.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	88.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	88.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	88.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	88.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	88.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	88.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	88.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	88.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	88.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	88.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	88.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	88.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	88.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	88.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	88.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	88.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	88.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	84.0	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 20000	87.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 18000	87.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 16000	87.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 14000	88.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 12000	88.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 10000	88.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 9000	88.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 8000	89.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 7000	89.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 6000	89.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 5000	89.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4500	89.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4000	90.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	90.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	90.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	90.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	90.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	90.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	90.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	90.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	90.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	90.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	90.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	90.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	90.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	90.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	90.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	90.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	90.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	90.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	90.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	82.2	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 20000	87.3	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 18000	87.5	94.8	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 16000	87.5	94.8	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 14000	88.7	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 12000	89.3	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 10000	89.3	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 9000	89.3	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 8000	89.6	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 7000	89.8	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 6000	89.9	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 5000	90.1	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4500	90.1	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4000	90.3	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 3500	90.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3000	90.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	90.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	90.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	90.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	90.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	90.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	90.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	90.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	90.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	90.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	90.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	90.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	90.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	90.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	90.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	90.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	90.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

1200

TOTAL NUMBER OF OBSERVATIONS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	91.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 20000	92.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 18000	92.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 16000	92.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 14000	92.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 12000	92.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 10000	94.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 9000	94.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 8000	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

2  
10130 54322

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

JUL  
MONTH

04  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	92.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 20000	93.6	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 18000	93.6	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 16000	93.6	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 14000	93.6	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 12000	93.6	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 10000	94.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 9000	94.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 8000	94.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 7000	94.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 6000	94.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 5000	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4500	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4000	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3500	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3000	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	90.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 20000	91.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 18000	91.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 16000	91.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 14000	94.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 12000	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 10000	95.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 9000	95.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 8000	96.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 7000	96.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 6000	96.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 5000	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155



2  
12130 54231

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	90.3	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 20000	91.6	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
AI 18000	91.6	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
AI 16000	91.6	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
AI 14000	92.9	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 12000	92.9	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 10000	94.2	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 9000	94.2	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 8000	94.2	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 7000	94.2	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 6000	94.2	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 5000	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 4500	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 4000	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 3500	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 3000	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 2500	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 2000	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 1800	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 1500	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 1200	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 1000	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 900	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 800	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 700	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 600	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 500	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 400	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 300	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 200	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 100	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	83.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 20000	86.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 18000	86.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 16000	86.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 14000	86.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 12000	87.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 10000	87.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 9000	87.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 8000	88.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 7000	88.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 6000	88.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 5000	89.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	89.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	89.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	89.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	89.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	89.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	89.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	89.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	89.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	89.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	89.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	89.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	89.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	89.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	89.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	89.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	89.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	89.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	89.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	89.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	89.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155



2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

23110  
STATIONLEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

JUL  
MONTH

16

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	78.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 20000	81.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 18000	81.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 16000	81.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 14000	81.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 12000	82.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 10000	83.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 9000	83.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 8000	86.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	86.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	86.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	86.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	86.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	86.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	86.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	86.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	86.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	86.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	86.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	86.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	86.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	86.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	86.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	86.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	86.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	86.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	86.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	86.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	86.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	86.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	86.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	86.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110 STATION

LENDURE, CALIFORNIA

73-77

STATION NAME

YEARS

JUL

NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	84.5	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 20000	87.1	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 18000	87.1	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 16000	87.1	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 14000	87.1	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 12000	88.4	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 10000	89.7	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 9000	89.7	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
8000	90.3	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
7000	90.3	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
6000	90.3	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
5000	91.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4500	91.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4000	91.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3500	91.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3000	91.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2500	91.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2000	91.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800	91.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	91.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	91.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	91.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	91.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	91.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	91.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	91.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	91.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	91.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	91.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	91.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	91.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	91.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

23110 STATION

LEMOORE, CALIFORNIA

73-77

STATION NAME

YEARS

JUL

MONTH

22

HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	91.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 20000	92.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 18000	92.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 16000	92.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 14000	92.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 12000	93.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 10000	94.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 9000	94.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 8000	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMORE, CALIFORNIA  
STATION NAME

73-77

YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	87.9	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 20000	89.4	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 18000	89.4	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 16000	89.4	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 14000	90.0	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 12000	90.8	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 10000	91.8	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 9000	91.8	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 8000	92.7	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 7000	92.7	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 6000	93.1	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 5000	93.1	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 4500	93.1	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 4000	93.1	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3500	93.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3000	93.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2500	93.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2000	93.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800	93.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1500	93.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200	93.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	93.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	93.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	93.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	93.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	93.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	93.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	93.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	93.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	93.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	93.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0	93.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS



2

1205 5437

0221

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

AUG  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01  
HOURS (L. S. Y.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	80.0	91.6	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 20000	80.7	92.3	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
18000	81.3	92.9	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 16000	81.3	92.9	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
14000	82.6	95.5	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 12000	82.6	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
10000	83.2	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 9000	83.2	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
8000	83.2	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 7000	83.2	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
6000	83.2	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 5000	83.2	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
4500	83.2	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4000	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3500	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2500	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

# CEILING VERSUS VISIBILITY

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

AUG  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	80.7	93.6	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 20000	80.7	93.6	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 18000	81.3	94.2	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 16000	81.3	94.2	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 14000	82.6	95.5	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 12000	82.6	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 10000	82.6	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 9000	83.2	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 8000	83.2	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 7000	83.2	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 6000	83.2	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 5000	83.2	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4500	83.2	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4000	83.2	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3500	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	83.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

23110 STATION      LENOORE, CALIFORNIA      73-77      YEARS      AUG MONTH      07      HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16
NO CEILING	77.4	85.8	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 20000	79.4	87.7	90.3	91.0	91.0	91.0	91.0	91.6	91.6	91.6	91.6
≥ 18000	80.0	88.4	91.0	91.6	91.6	91.6	91.6	92.3	92.3	92.3	92.3
≥ 16000	80.0	88.4	91.0	91.6	91.6	91.6	91.6	92.3	92.3	92.3	92.3
≥ 14000	80.7	89.0	91.6	92.3	92.3	92.3	92.3	92.9	92.9	92.9	92.9
≥ 12000	82.6	91.0	93.6	94.2	94.2	94.2	94.2	94.8	94.8	94.8	94.8
≥ 10000	83.2	91.6	94.2	94.8	94.8	94.8	94.8	95.5	95.5	95.5	95.5
≥ 9000	83.2	91.6	94.2	94.8	94.8	94.8	94.8	95.5	95.5	95.5	95.5
≥ 8000	83.9	92.9	95.5	96.1	96.1	96.1	96.1	96.8	96.8	96.8	96.8
≥ 7000	83.9	93.6	96.1	96.8	96.8	96.8	96.8	97.4	97.4	97.4	97.4
≥ 6000	83.9	93.6	96.1	96.8	96.8	96.8	96.8	97.4	97.4	97.4	97.4
≥ 5000	84.5	94.8	97.4	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7
≥ 4500	84.5	94.8	97.4	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7
≥ 4000	85.2	95.5	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 3500	85.2	95.5	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 3000	85.2	95.5	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 2500	85.2	95.5	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 2000	85.2	95.5	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 1800	85.2	95.5	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 1500	85.2	95.5	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 1200	85.2	95.5	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 1000	85.2	95.5	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 900	85.2	95.5	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 800	85.2	95.5	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 700	85.2	95.5	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 600	85.2	95.5	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 500	85.2	95.5	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 400	85.2	95.5	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 300	85.2	95.5	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 200	85.2	95.5	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 100	85.2	95.5	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4
0	85.2	95.5	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS      155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

AUG  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	71.6	83.9	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 20000	74.8	87.1	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 18000	74.8	87.1	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 16000	74.8	87.1	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 14000	75.5	87.7	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 12000	77.4	89.7	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 10000	77.4	90.3	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 9000	77.4	90.3	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 8000	77.4	91.0	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 7000	78.1	92.3	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 6000	78.1	92.3	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 5000	78.1	92.3	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 4500	78.7	92.9	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 4000	78.7	92.9	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 3500	78.7	92.9	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 3000	79.4	93.6	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2500	79.4	93.6	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2000	79.4	93.6	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	79.4	93.6	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	79.4	93.6	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	79.4	93.6	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	79.4	93.6	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	79.4	93.6	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	79.4	93.6	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	79.4	93.6	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	79.4	93.6	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	79.4	93.6	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	79.4	93.6	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	79.4	93.6	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	79.4	93.6	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	79.4	93.6	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	79.4	93.6	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

135

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LENDORE, CALIFORNIA  
STATION NAME

73-77

YEARS

AUG  
MONTH

13  
HOURS (L S T)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	71.0	83.2	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 20000	75.5	88.4	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 18000	75.5	88.4	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 16000	75.5	88.4	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 14000	76.8	89.7	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 12000	78.1	91.6	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 10000	78.7	92.3	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 9000	78.7	92.3	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 8000	78.7	92.9	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 7000	78.7	93.6	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 6000	78.7	93.6	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 5000	78.7	94.2	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4500	78.7	94.2	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4000	79.4	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	79.4	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	79.4	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	79.4	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	79.4	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	79.4	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	79.4	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	79.4	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	79.4	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	79.4	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	79.4	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	79.4	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	79.4	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	79.4	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	79.4	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	79.4	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	79.4	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	79.4	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	79.4	94.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

AUG  
MONTH

16  
HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	73.6	85.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 20000	77.4	89.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 18000	77.4	89.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 16000	77.4	89.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 14000	77.4	89.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 12000	78.1	89.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 10000	79.4	91.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 9000	80.0	92.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
8000	80.0	92.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
7000	80.0	93.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
6000	80.7	94.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
5000	80.7	94.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
4500	80.7	94.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
4000	81.3	94.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3500	81.3	94.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3000	81.3	94.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2500	81.3	94.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2000	81.3	94.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800	81.3	94.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	81.3	94.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	81.3	94.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	81.3	94.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	81.3	94.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	81.3	94.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	81.3	94.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	81.3	94.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	81.3	94.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	81.3	94.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	81.3	94.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	81.3	94.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	81.3	94.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	81.3	94.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

AUG  
MONTH

19  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	77.4	88.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 20000	80.0	91.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
18000	80.0	91.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
16000	80.0	91.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
14000	80.7	92.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
12000	80.7	92.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
10000	81.9	94.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
9000	81.9	94.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
8000	82.6	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
7000	82.6	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
6000	83.2	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
5000	83.2	96.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
4500	83.2	96.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
4000	83.2	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3500	83.2	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3000	83.2	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2500	83.2	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2000	83.2	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800	83.2	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1600	83.2	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1400	83.2	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	83.2	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	83.2	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	83.2	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	83.2	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	83.2	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	83.2	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	83.2	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	83.2	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	83.2	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	83.2	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	83.2	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	83.2	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LENDORE, CALIFORNIA  
STATION NAME

73-77

YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

AUG  
NORTH  
22  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	81.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 20000	83.2	94.2	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 18000	83.2	94.2	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 16000	83.2	94.2	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 14000	83.2	94.2	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 12000	83.2	94.8	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 10000	83.9	96.1	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 9000	83.9	96.1	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 8000	83.9	96.8	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 7000	83.9	97.4	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 6000	83.9	97.4	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 5000	83.9	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	83.9	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	83.9	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	83.9	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	83.9	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	83.9	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	83.9	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	83.9	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	83.9	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	83.9	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	83.9	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	83.9	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	83.9	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	83.9	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	83.9	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	83.9	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	83.9	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	83.9	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	83.9	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	83.9	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	83.9	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110 STATION 23110 LEMORE, CALIFORNIA 73-77 YEARS AUG NORTH ALL HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	76.7	88.1	90.2	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 20000	79.0	90.5	92.7	93.0	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3
≥ 18000	79.2	90.7	93.0	93.2	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6
≥ 16000	79.2	90.7	93.0	93.2	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6
≥ 14000	79.9	91.6	94.1	94.4	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7
≥ 12000	80.7	92.7	95.2	95.5	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8
≥ 10000	81.3	93.7	96.2	96.5	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8
≥ 9000	81.5	93.9	96.4	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 8000	81.6	94.5	97.1	97.3	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7
≥ 7000	81.7	95.2	97.8	98.1	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4
≥ 6000	81.9	95.4	98.0	98.2	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6
≥ 5000	81.9	95.7	98.5	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 4500	81.9	95.7	98.5	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 4000	82.3	96.3	99.0	99.3	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6
≥ 3500	82.3	96.4	99.1	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
≥ 3000	82.3	96.4	99.1	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
≥ 2500	82.3	96.5	99.2	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
≥ 2000	82.3	96.5	99.2	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
≥ 1800	82.3	96.5	99.2	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
≥ 1500	82.3	96.5	99.2	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
≥ 1200	82.3	96.5	99.2	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
≥ 1000	82.3	96.5	99.2	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
≥ 900	82.3	96.5	99.2	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
≥ 800	82.3	96.5	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥ 700	82.3	96.5	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥ 600	82.3	96.5	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥ 500	82.3	96.5	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥ 400	82.3	96.5	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥ 300	82.3	96.5	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥ 200	82.3	96.5	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥ 100	82.3	96.5	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
0	82.3	96.5	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1240



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01  
HOURS (L S T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	78.0	88.7	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 20000	79.3	91.3	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 18000	79.3	91.3	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 16000	79.3	92.0	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 14000	80.0	92.7	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 12000	80.7	93.3	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 10000	82.0	94.7	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 9000	82.0	94.7	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 8000	83.3	96.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 7000	83.3	96.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 6000	83.3	96.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 5000	84.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4500	84.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4000	84.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3500	84.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3000	85.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2500	85.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2000	85.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1800	85.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	85.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	85.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	85.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	85.3	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	85.3	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	85.3	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	85.3	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	85.3	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	85.3	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	85.3	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	85.3	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	85.3	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	85.3	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

2  
1225 0432Z

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	81.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 20000	81.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 18000	81.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 16000	81.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 14000	82.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 12000	82.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 10000	84.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 9000	84.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 8000	84.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 7000	84.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 6000	84.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 5000	84.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 4500	84.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 4000	84.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 3500	84.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 3000	84.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 2500	84.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 2000	84.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1800	84.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1500	84.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200	84.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	84.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	84.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800	84.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	84.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	84.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	84.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	84.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	84.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200	84.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 100	84.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
0	84.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 150



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	71.3	82.7	84.7	85.3	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 20000	75.3	86.7	88.7	89.3	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
18000	75.3	86.7	88.7	89.3	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
16000	75.3	86.7	88.7	89.3	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
14000	75.3	86.7	89.3	90.0	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
12000	75.3	86.7	89.3	90.0	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
10000	78.7	90.0	92.7	93.3	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
9000	79.3	90.7	93.3	94.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
8000	79.3	90.7	93.3	94.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
7000	80.0	91.3	94.0	94.7	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
6000	80.0	92.0	94.7	95.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
5000	80.7	92.7	95.3	96.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
4500	81.3	93.3	96.0	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
4000	81.3	93.3	96.0	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
3500	81.3	93.3	96.0	97.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
3000	81.3	93.3	96.0	97.3	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2500	81.3	93.3	96.0	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2000	81.3	93.3	96.0	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800	81.3	93.3	96.0	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	81.3	93.3	96.0	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	81.3	93.3	96.0	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	81.3	93.3	96.0	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	81.3	93.3	96.0	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	81.3	93.3	96.0	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	81.3	93.3	96.0	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	81.3	93.3	96.0	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	81.3	93.3	96.0	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	81.3	93.3	96.0	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	81.3	93.3	96.0	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	81.3	93.3	96.0	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	81.3	93.3	96.0	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	81.3	93.3	96.0	97.3	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110

LEMOORE, CALIFORNIA

73-77

SEP

STATION

STATION NAME

YEARS

MOUTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	64.7	80.0	66.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 20000	68.0	84.0	90.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 18000	68.0	84.0	90.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 16000	68.0	84.0	90.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 14000	68.7	84.7	91.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 12000	69.3	85.3	92.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 10000	70.7	87.3	94.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 9000	70.7	87.3	94.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 8000	70.7	87.3	94.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 7000	70.7	87.3	94.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 6000	71.3	88.0	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 5000	72.7	89.3	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 4500	72.7	89.3	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 4000	73.3	90.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3500	73.3	90.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3000	73.3	90.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2500	73.3	90.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2000	73.3	90.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1800	73.3	90.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	73.3	90.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	73.3	90.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	73.3	90.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	73.3	90.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	73.3	90.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	73.3	90.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	73.3	90.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	73.3	90.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	73.3	90.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	73.3	90.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	73.3	90.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	73.3	90.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	73.3	90.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 150

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEAR

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	63.3	80.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 20000	66.7	86.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 18000	66.7	86.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 16000	66.7	86.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 14000	67.3	87.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 12000	68.0	88.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 10000	70.7	90.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 9000	70.7	90.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
8000	70.7	91.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
7000	70.7	91.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
6000	70.7	91.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
5000	71.3	92.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
4500	71.3	92.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
4000	71.3	92.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
3500	72.0	92.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
3000	73.3	94.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2500	73.3	94.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2000	73.3	94.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1800	73.3	94.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1500	73.3	94.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1200	73.3	94.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1000	73.3	94.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	73.3	94.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	73.3	94.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	73.3	94.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	73.3	94.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	73.3	94.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	73.3	94.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	73.3	94.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	73.3	94.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	73.3	94.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	73.3	94.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

23110  
STATION

LEMORE, CALIFORNIA  
STATION NAME

73-77

YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	64.0	84.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 20000	66.7	89.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 18000	66.7	89.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 16000	66.7	89.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 14000	68.0	90.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 12000	69.3	92.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 10000	71.3	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 9000	71.3	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 8000	72.0	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 7000	72.0	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 6000	72.0	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 5000	72.7	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 4500	72.7	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 4000	73.3	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3500	73.3	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3000	74.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	74.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	74.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	74.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	74.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	74.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	74.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	74.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	74.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	74.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	74.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	74.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	74.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	74.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	74.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	74.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	74.7	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	76.0	88.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 20000	77.3	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 18000	77.3	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 16000	77.3	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 14000	78.0	90.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 12000	80.7	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 10000	82.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 9000	82.7	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 8000	84.0	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 7000	84.0	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 6000	84.0	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 5000	85.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	85.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	85.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	85.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	85.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	85.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	85.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	85.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	85.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	85.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	85.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	85.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	85.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	85.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	85.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	85.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	85.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	85.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	85.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	85.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	85.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

23110  
STATIONLEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

SEP  
MONTH

22

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	76.7	90.7	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 20000	78.0	92.0	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 18000	78.0	92.0	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 16000	78.0	92.0	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 14000	79.3	93.3	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 12000	80.7	94.7	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 10000	82.0	96.0	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 9000	82.0	96.0	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 8000	82.0	96.7	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 7000	82.0	96.7	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 6000	82.0	96.7	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 5000	82.7	97.3	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4500	82.7	97.3	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4000	82.7	97.3	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3500	82.7	97.3	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3000	83.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2500	83.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2000	83.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1800	83.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	83.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	83.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	83.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	83.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	83.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	83.3	98.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	83.3	98.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	83.3	98.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	83.3	98.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	83.3	98.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	83.3	98.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	83.3	98.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	83.3	98.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150



# CEILING VERSUS VISIBILITY

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	71.9	85.9	88.3	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 20000	74.1	89.1	91.4	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 18000	74.1	89.2	91.5	91.8	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 16000	74.1	89.3	91.6	91.9	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 14000	74.8	90.0	92.4	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 12000	75.8	91.0	93.4	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 10000	77.8	93.1	95.5	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 9000	77.9	93.2	95.6	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 8000	78.3	93.8	96.3	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 7000	78.4	94.1	96.5	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 6000	78.5	94.3	96.8	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 5000	79.3	95.2	97.7	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 4500	79.4	95.3	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 4000	79.6	95.4	97.9	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 3500	79.7	95.5	98.0	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 3000	80.2	96.1	98.6	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2500	80.2	96.1	98.7	99.1	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 2000	80.2	96.1	98.7	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1800	80.2	96.1	98.7	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1500	80.2	96.1	98.7	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200	80.2	96.1	98.7	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	80.2	96.1	98.8	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	80.2	96.1	98.8	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	80.2	96.1	98.8	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	80.2	96.1	98.9	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	80.2	96.1	98.9	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	80.2	96.1	98.9	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	80.2	96.1	98.9	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	80.2	96.1	98.9	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	80.2	96.1	98.9	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	80.2	96.1	98.9	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	80.2	96.1	98.9	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

1200

TOTAL NUMBER OF OBSERVATIONS



2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

23110  
STATIONLEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

OCT  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)01  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	31.6	81.3	85.8	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 20000	31.6	81.9	86.5	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 18000	31.6	81.9	86.5	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 16000	31.6	81.9	86.5	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 14000	32.3	82.6	87.1	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 12000	32.3	83.2	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 10000	32.9	84.5	89.0	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 9000	32.9	84.5	89.0	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 8000	33.6	85.8	90.3	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 7000	34.2	87.7	92.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 6000	34.8	89.7	94.2	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 5000	35.5	91.6	96.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 4500	35.5	92.3	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 4000	35.5	92.9	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3500	35.5	92.9	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3000	35.5	93.6	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2500	35.5	93.6	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2000	35.5	93.6	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	35.5	93.6	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	35.5	93.6	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	35.5	93.6	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	35.5	93.6	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	35.5	93.6	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	35.5	93.6	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	35.5	93.6	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	35.5	93.6	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	35.5	93.6	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	35.5	93.6	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	35.5	93.6	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	35.5	93.6	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	35.5	93.6	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	35.5	93.6	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

OCT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	32.3	81.3	85.2	85.8	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4
≥ 20000	32.9	83.2	87.1	87.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3
≥ 18000	32.9	83.2	87.1	87.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3
≥ 16000	32.9	83.2	87.1	87.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3
≥ 14000	32.9	83.2	87.1	87.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3
≥ 12000	32.9	83.9	87.7	88.4	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0
≥ 10000	33.6	85.8	89.7	90.3	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6
≥ 9000	33.6	85.8	89.7	90.3	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6
≥ 8000	33.6	86.5	90.3	91.0	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2
≥ 7000	33.6	87.1	91.0	91.6	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8
≥ 6000	34.2	88.4	92.3	92.9	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1
≥ 5000	34.2	89.7	93.6	94.2	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4
≥ 4500	34.2	90.3	94.2	94.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1
≥ 4000	34.2	91.0	94.8	95.5	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3500	34.2	91.0	94.8	95.5	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3000	34.2	91.0	94.8	95.5	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2500	34.8	91.6	95.5	96.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2000	34.8	91.6	95.5	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	34.8	91.6	95.5	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	34.8	91.6	95.5	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	34.8	91.6	95.5	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	34.8	91.6	95.5	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	34.8	91.6	95.5	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	34.8	91.6	95.5	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	34.8	91.6	95.5	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	34.8	91.6	95.5	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	34.8	91.6	95.5	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	34.8	91.6	95.5	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	34.8	91.6	95.5	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	34.8	91.6	95.5	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	34.8	91.6	95.5	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
0	34.8	91.6	95.5	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

23110  
STATIONLEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

OCT  
MONTH07  
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	31.0	62.6	69.0	71.6	76.8	79.4	79.4	80.0	80.0	80.0	80.7	80.7	80.7	80.7
≥ 20000	32.9	66.5	73.6	76.1	81.3	83.9	83.9	84.5	84.5	84.5	85.2	85.2	85.2	85.2
≥ 18000	32.9	66.5	73.6	76.1	81.3	83.9	83.9	84.5	84.5	84.5	85.2	85.2	85.2	85.2
≥ 16000	32.9	66.5	73.6	76.1	81.3	83.9	83.9	84.5	84.5	84.5	85.2	85.2	85.2	85.2
≥ 14000	32.9	67.1	74.2	75.8	81.9	84.5	84.5	85.2	85.2	85.2	85.8	85.8	85.8	85.8
≥ 12000	32.9	67.7	75.5	78.1	83.2	85.8	85.8	86.5	86.5	86.5	87.1	87.1	87.1	87.1
≥ 10000	36.8	73.6	81.3	83.9	89.0	91.6	91.6	92.3	92.3	92.3	92.9	92.9	92.9	92.9
≥ 9000	36.8	74.2	81.9	84.5	89.7	92.3	92.3	92.9	92.9	92.9	93.6	93.6	93.6	93.6
≥ 8000	37.4	74.8	82.6	85.2	90.3	92.9	92.9	93.6	93.6	93.6	94.2	94.2	94.2	94.2
≥ 7000	38.1	75.1	84.5	87.1	92.3	94.8	94.8	95.5	95.5	95.5	96.1	96.1	96.1	96.1
≥ 6000	38.1	76.1	84.5	87.1	92.3	94.8	94.8	95.5	95.5	95.5	96.1	96.1	96.1	96.1
≥ 5000	38.7	77.4	85.8	88.4	93.6	96.1	96.1	96.8	96.8	96.8	97.4	97.4	97.4	97.4
≥ 4500	38.7	78.1	86.5	89.0	94.2	96.8	96.8	97.4	97.4	97.4	98.1	98.1	98.1	98.1
≥ 4000	39.4	78.7	87.1	89.7	94.8	97.4	97.4	98.1	98.1	98.1	98.7	98.7	98.7	98.7
≥ 3500	39.4	78.7	87.7	90.3	95.5	98.1	98.1	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 3000	39.4	78.7	87.7	90.3	95.5	98.1	98.1	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 2500	39.4	78.7	87.7	90.3	95.5	98.1	98.1	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 2000	39.4	78.7	87.7	90.3	95.5	98.1	98.1	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 1800	39.4	78.7	87.7	90.3	95.5	98.1	98.1	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 1500	39.4	79.4	88.4	91.0	96.1	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 1200	39.4	79.4	88.4	91.0	96.1	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 1000	39.4	79.4	88.4	91.0	96.1	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 900	39.4	79.4	88.4	91.0	96.1	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 800	39.4	79.4	88.4	91.0	96.1	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 700	39.4	79.4	88.4	91.0	96.1	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 600	39.4	79.4	88.4	91.0	96.1	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 500	39.4	79.4	88.4	91.0	96.1	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 400	39.4	79.4	88.4	91.0	96.1	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 300	39.4	79.4	88.4	91.0	96.1	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 200	39.4	79.4	88.4	91.0	96.1	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 100	39.4	79.4	88.4	91.0	96.1	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
0	39.4	79.4	88.4	91.0	96.1	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

007  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	24.5	63.2	70.3	73.6	78.1	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 20000	25.2	65.2	72.9	76.1	81.3	83.2	83.2	84.5	84.5	84.5	84.5	84.5	84.5
≥ 18000	25.2	65.2	72.9	76.1	81.3	83.2	83.2	84.5	84.5	84.5	84.5	84.5	84.5
≥ 16000	25.2	65.2	72.9	76.1	81.3	83.2	83.2	84.5	84.5	84.5	84.5	84.5	84.5
≥ 14000	26.5	67.1	74.8	78.1	83.2	85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 12000	26.5	67.7	75.5	78.7	83.9	85.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 10000	27.7	70.3	78.7	82.6	87.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 9000	27.7	70.3	78.7	82.6	87.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0
8000	28.4	72.3	80.7	84.5	89.7	91.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
7000	28.4	72.3	80.7	84.5	89.7	91.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
6000	30.3	74.2	82.6	86.5	91.6	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8
5000	31.0	74.8	83.2	87.1	92.3	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5
4500	31.0	74.8	83.2	87.1	92.3	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5
4000	31.6	75.5	83.9	87.7	92.9	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
3500	32.3	76.8	85.2	89.0	94.2	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
3000	32.3	77.4	85.8	89.7	94.8	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2500	32.3	77.4	85.8	89.7	94.8	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2000	32.3	77.4	85.8	89.7	94.8	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1800	32.3	77.4	85.8	89.7	94.8	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1500	32.3	77.4	85.8	89.7	94.8	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1200	32.3	77.4	85.8	89.7	94.8	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1000	32.3	77.4	85.8	89.7	94.8	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7
900	32.3	77.4	85.8	89.7	94.8	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7
800	32.3	77.4	85.8	89.7	94.8	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7
700	32.3	77.4	85.8	89.7	94.8	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7
600	32.3	77.4	85.8	89.7	94.8	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7
500	32.3	77.4	85.8	89.7	94.8	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7
400	32.3	77.4	85.8	89.7	94.8	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7
300	32.3	77.4	85.8	89.7	94.8	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7
200	32.3	77.4	85.8	89.7	94.8	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7
100	32.3	77.4	85.8	89.7	94.8	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	32.3	77.4	85.8	89.7	94.8	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

OCT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	25.2	60.7	71.6	76.1	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 20000	25.8	64.5	76.8	81.3	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 18000	25.8	64.5	76.8	81.3	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 16000	25.8	64.5	76.8	81.3	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 14000	26.5	65.8	78.1	83.2	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 12000	26.5	65.8	78.1	83.2	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 10000	27.7	67.1	79.4	84.5	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 9000	27.7	67.1	79.4	84.5	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
8000	28.4	68.4	80.7	85.8	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
7000	28.4	68.4	80.7	85.8	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
6000	29.0	69.0	81.3	86.5	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
5000	29.7	69.7	81.9	87.1	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
4500	29.7	69.7	81.9	87.1	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
4000	31.0	71.6	83.9	89.0	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
3500	31.6	72.3	84.5	89.7	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
3000	33.6	76.1	88.4	93.6	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
2500	34.2	76.8	89.0	94.2	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2000	34.2	76.8	89.0	94.2	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1800	34.2	76.8	89.0	94.2	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1500	34.2	76.8	89.0	94.2	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1200	34.2	76.8	89.0	94.2	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1000	34.2	76.8	89.7	94.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	34.2	76.8	89.7	94.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	34.2	76.8	89.7	94.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	34.2	76.8	89.7	94.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	34.2	76.8	89.7	94.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	34.2	76.8	89.7	94.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	34.2	76.8	89.7	94.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	34.2	76.8	89.7	94.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	34.2	76.8	89.7	94.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	34.2	76.8	89.7	94.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	34.2	76.8	89.7	94.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LENDORE, CALIFORNIA  
STATION NAME

73-77

YEARS

OCT  
MONTH

16  
HOURS (L S T)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	24.5	70.3	76.8	79.4	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 20000	25.8	74.2	81.9	85.2	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 18000	25.8	74.2	81.9	85.2	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 16000	25.8	74.2	81.9	85.2	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 14000	26.5	74.8	83.2	86.5	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 12000	27.1	76.1	84.5	87.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 10000	28.4	77.4	85.8	89.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 9000	29.0	78.1	86.5	89.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 8000	29.7	78.7	87.1	90.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 7000	29.7	80.0	88.4	91.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 6000	30.3	81.3	89.7	92.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 5000	30.3	81.3	89.7	92.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 4500	31.0	82.6	91.0	94.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 4000	31.6	83.2	91.6	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 3500	31.6	83.2	91.6	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 3000	32.9	84.5	92.9	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2500	32.9	84.5	92.9	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2000	32.9	84.5	92.9	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	32.9	84.5	92.9	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	32.9	84.5	92.9	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	32.9	84.5	92.9	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	32.9	84.5	92.9	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	32.9	84.5	92.9	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	32.9	84.5	92.9	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	32.9	84.5	92.9	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	32.9	84.5	92.9	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	32.9	84.5	92.9	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	32.9	84.5	92.9	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	32.9	84.5	92.9	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	32.9	84.5	92.9	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	32.9	84.5	92.9	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0	32.9	84.5	92.9	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

23110  
STATIONLEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

OCT  
MONTH

19

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	31.6	77.4	82.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 20000	32.9	80.0	85.2	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 18000	32.9	80.0	85.2	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 16000	32.9	80.0	85.2	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 14000	33.6	80.7	85.8	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 12000	34.2	81.9	87.1	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 10000	36.1	85.2	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 9000	36.1	85.2	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 8000	36.1	86.5	91.6	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 7000	37.4	88.4	93.6	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 6000	37.4	89.0	94.2	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 5000	38.1	89.7	94.8	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 4500	38.1	90.3	95.5	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 4000	38.1	91.0	96.1	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 3500	38.7	91.6	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3000	39.4	92.3	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2500	39.4	92.3	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2000	39.4	92.3	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1800	39.4	92.3	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	39.4	92.3	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	39.4	92.3	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	39.4	92.3	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	39.4	92.3	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	39.4	92.3	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	39.4	92.3	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	39.4	92.3	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	39.4	92.3	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	39.4	92.3	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	39.4	92.3	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	39.4	92.3	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	39.4	92.3	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	39.4	92.3	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

OCT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	32.3	62.6	85.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 20000	32.3	83.9	86.5	87.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 18000	32.3	83.9	86.5	87.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 16000	32.3	83.9	86.5	87.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 14000	32.9	84.5	87.1	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 12000	32.9	84.5	87.1	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 10000	34.2	87.1	89.7	90.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 9000	34.8	87.7	90.3	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 8000	34.8	87.7	90.3	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 7000	35.5	89.0	91.6	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 6000	35.5	90.3	92.9	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 5000	36.8	92.3	94.8	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 4500	37.4	93.6	96.1	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 4000	37.4	94.2	96.8	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3500	37.4	94.2	96.8	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3000	37.4	94.2	96.8	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2500	38.1	94.8	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2000	38.1	94.8	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	38.1	94.8	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1600	38.1	94.8	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1400	38.1	94.8	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	38.1	94.8	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	38.1	94.8	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	38.1	94.8	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	38.1	94.8	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	38.1	94.8	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	38.1	94.8	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	38.1	94.8	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	38.1	94.8	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	38.1	94.8	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	38.1	94.8	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	38.1	94.8	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	38.1	94.8	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

23110

LEMOORE, CALIFORNIA

73-77

OCT

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	29.1	72.4	78.3	80.3	82.6	83.2	83.3	83.6	83.6	83.6	83.6	83.6	83.6
≥ 20000	29.9	74.9	81.3	83.4	86.1	86.7	86.8	87.0	87.0	87.0	87.1	87.1	87.1
≥ 18000	29.9	74.9	81.3	83.4	86.1	86.7	86.8	87.0	87.0	87.0	87.1	87.1	87.1
≥ 16000	29.9	74.9	81.3	83.4	86.1	86.7	86.8	87.0	87.0	87.0	87.1	87.1	87.1
≥ 14000	30.5	75.7	82.2	84.4	87.0	87.7	87.7	88.0	88.0	88.1	88.1	88.1	88.1
≥ 12000	30.7	76.4	82.9	85.1	87.7	88.4	88.5	88.7	88.7	88.8	88.8	88.8	88.8
≥ 10000	32.2	78.9	85.5	87.7	90.5	91.1	91.2	91.5	91.5	91.5	91.5	91.5	91.5
≥ 9000	32.3	79.1	85.7	88.0	90.7	91.4	91.5	91.7	91.7	91.7	91.8	91.8	91.8
≥ 8000	32.7	80.1	86.7	89.0	91.7	92.3	92.4	92.7	92.7	92.7	92.7	92.7	92.7
≥ 7000	33.2	81.1	87.8	90.1	92.8	93.5	93.6	93.8	93.8	93.8	93.9	93.9	93.9
≥ 6000	33.7	82.3	89.0	91.2	94.0	94.6	94.7	94.9	94.9	94.9	95.0	95.0	95.0
≥ 5000	34.3	83.3	90.0	92.3	95.0	95.7	95.7	96.0	96.0	96.0	96.1	96.1	96.1
≥ 4500	34.4	84.0	90.7	92.9	95.7	96.3	96.5	96.7	96.7	96.7	96.8	96.8	96.8
≥ 4000	34.8	84.8	91.5	93.7	96.5	97.1	97.3	97.5	97.5	97.5	97.6	97.6	97.6
≥ 3500	35.1	85.1	91.8	94.0	96.8	97.4	97.6	97.8	97.8	97.8	97.9	97.9	97.9
≥ 3000	35.6	86.0	92.7	95.0	97.7	98.4	98.6	98.8	98.8	98.8	98.9	98.9	98.9
≥ 2500	35.8	86.2	93.0	95.2	98.0	98.6	98.8	99.0	99.0	99.0	99.1	99.1	99.1
≥ 2000	35.8	86.2	93.0	95.2	98.4	99.0	99.2	99.4	99.4	99.4	99.5	99.5	99.5
≥ 1800	35.8	86.2	93.0	95.2	98.4	99.0	99.2	99.4	99.4	99.4	99.5	99.5	99.5
≥ 1500	35.8	86.3	93.1	95.3	98.6	99.3	99.4	99.7	99.7	99.7	99.8	99.8	99.8
≥ 1200	35.8	86.3	93.1	95.3	98.6	99.3	99.4	99.7	99.7	99.7	99.8	99.8	99.8
≥ 1000	35.8	86.3	93.2	95.4	98.6	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9
≥ 900	35.8	86.3	93.2	95.4	98.6	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9
≥ 800	35.8	86.3	93.2	95.4	98.6	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9
≥ 700	35.8	86.3	93.2	95.4	98.6	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9
≥ 600	35.8	86.3	93.2	95.4	98.6	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9
≥ 500	35.8	86.3	93.2	95.4	98.6	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9
≥ 400	35.8	86.3	93.2	95.4	98.6	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9
≥ 300	35.8	86.3	93.2	95.4	98.6	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9
≥ 200	35.8	86.3	93.2	95.4	98.6	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9
≥ 100	35.8	86.3	93.2	95.4	98.6	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9
≥ 0	35.8	86.3	93.2	95.4	98.6	99.4	99.6	99.8	99.8	99.8	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING	22.7	46.0	51.3	60.7	68.0	70.0	71.3	72.0	72.0	73.3	73.3	73.3	73.3	74.0	75.3
≥ 20000	24.0	48.0	54.0	63.3	70.7	72.7	74.0	74.7	74.7	76.0	76.0	76.0	76.0	76.7	78.0
≥ 18000	24.0	48.0	54.0	63.3	70.7	72.7	74.0	74.7	74.7	76.0	76.0	76.0	76.0	76.7	78.0
≥ 16000	24.0	48.0	54.0	63.3	70.7	72.7	74.0	74.7	74.7	76.0	76.0	76.0	76.0	76.7	78.0
≥ 14000	24.0	48.0	54.0	63.3	70.7	72.7	74.0	74.7	74.7	76.0	76.0	76.0	76.0	76.7	78.0
≥ 12000	26.0	50.7	56.7	66.0	73.3	75.3	76.7	77.3	77.3	78.7	78.7	78.7	78.7	79.3	80.7
≥ 10000	26.7	52.7	58.7	68.0	75.3	77.3	78.7	79.3	79.3	80.7	80.7	80.7	80.7	81.3	82.7
≥ 9000	26.7	53.3	59.3	68.7	76.0	78.0	79.3	80.0	80.0	81.3	81.3	81.3	81.3	82.0	83.3
≥ 8000	27.3	54.7	60.7	70.0	77.3	79.3	80.7	81.3	81.3	82.7	82.7	82.7	82.7	83.3	84.7
≥ 7000	28.0	56.0	62.0	71.3	78.7	80.7	82.0	82.7	82.7	84.0	84.0	84.0	84.0	84.7	86.0
≥ 6000	28.7	56.7	62.7	72.0	79.3	81.3	82.7	83.3	83.3	84.7	84.7	84.7	84.7	85.3	86.7
≥ 5000	29.3	57.3	63.3	73.3	80.7	82.7	84.0	84.7	84.7	86.0	86.0	86.0	86.0	86.7	88.0
≥ 4500	29.3	57.3	63.3	73.3	80.7	82.7	84.0	84.7	84.7	86.0	86.0	86.0	86.0	86.7	88.0
≥ 4000	30.7	58.7	64.7	74.7	82.0	84.0	85.3	86.0	86.0	87.3	87.3	87.3	87.3	88.0	89.3
≥ 3500	30.7	58.7	64.7	75.3	82.7	84.0	86.0	86.7	86.7	88.0	88.0	88.0	88.0	88.7	90.0
≥ 3000	30.7	58.7	64.7	75.3	82.7	84.0	86.0	86.7	86.7	88.0	88.0	88.0	88.0	88.7	90.0
≥ 2500	30.7	58.7	64.7	75.3	82.7	84.0	86.0	86.7	86.7	88.0	88.0	88.0	88.0	88.7	90.0
≥ 2000	30.7	59.3	66.0	76.7	84.0	86.0	88.0	88.7	88.7	90.0	90.0	90.0	90.0	91.3	92.7
≥ 1800	30.7	59.3	66.0	76.7	84.0	86.0	88.0	88.7	88.7	90.0	90.0	90.0	90.0	91.3	92.7
≥ 1600	30.7	59.3	66.0	76.7	84.0	86.0	88.0	88.7	88.7	90.0	90.0	90.0	90.0	91.3	92.7
≥ 1400	30.7	59.3	66.0	76.7	84.0	86.0	88.0	88.7	88.7	90.0	90.0	90.0	90.0	91.3	92.7
≥ 1200	30.7	59.3	66.0	76.7	84.0	86.0	88.0	88.7	88.7	90.0	90.0	90.0	90.0	91.3	92.7
≥ 1000	30.7	59.3	66.0	76.7	84.0	86.0	88.0	88.7	88.7	90.0	90.0	90.0	90.0	91.3	92.7
≥ 900	30.7	60.0	66.7	78.0	86.0	88.0	90.0	91.3	91.3	92.7	92.7	92.7	92.7	93.3	94.0
≥ 800	30.7	60.0	66.7	78.0	86.0	88.0	90.0	91.3	91.3	92.7	92.7	92.7	92.7	93.3	94.0
≥ 700	30.7	60.0	66.7	78.0	86.0	88.0	90.0	91.3	91.3	92.7	92.7	92.7	92.7	93.3	94.0
≥ 600	30.7	60.0	66.7	78.0	86.0	88.0	90.0	91.3	91.3	92.7	92.7	92.7	92.7	93.3	94.0
≥ 500	30.7	60.0	66.7	78.0	86.0	88.0	90.0	91.3	91.3	92.7	92.7	92.7	92.7	93.3	94.0
≥ 400	30.7	60.0	66.7	78.0	86.0	88.0	90.0	91.3	91.3	92.7	92.7	92.7	92.7	93.3	94.0
≥ 300	30.7	60.0	66.7	78.0	86.0	88.0	90.0	91.3	91.3	92.7	92.7	92.7	92.7	93.3	94.0
≥ 200	30.7	60.0	66.7	78.0	86.0	88.0	90.0	91.3	91.3	92.7	92.7	92.7	92.7	93.3	94.0
≥ 100	30.7	60.0	66.7	78.0	86.0	88.0	90.0	91.3	91.3	92.7	92.7	92.7	92.7	93.3	94.0
0	30.7	60.0	66.7	78.0	86.0	88.0	90.0	91.3	91.3	92.7	92.7	92.7	92.7	93.3	94.0

TOTAL NUMBER OF OBSERVATIONS

150

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	20.0	43.3	47.3	56.7	63.3	64.7	67.3	69.3	69.3	70.0	70.7	70.7	71.3	72.0	72.7
≥ 20000	20.0	44.0	48.0	57.3	64.0	65.3	68.0	70.0	70.0	70.7	71.3	71.3	72.0	72.7	73.3
≥ 18000	20.0	44.0	48.0	57.3	64.0	65.3	68.0	70.0	70.0	70.7	71.3	71.3	72.0	72.7	73.3
≥ 16000	20.0	44.0	48.0	57.3	64.0	65.3	68.0	70.0	70.0	70.7	71.3	71.3	72.0	72.7	73.3
≥ 14000	20.0	44.0	48.0	57.3	64.0	65.3	68.0	70.0	70.0	70.7	71.3	71.3	72.0	72.7	73.3
≥ 12000	22.0	46.7	50.7	60.0	66.7	68.0	70.7	72.7	72.7	73.3	74.0	74.0	74.7	75.3	76.0
≥ 10000	23.3	50.0	54.7	64.0	70.7	72.0	74.7	76.7	76.7	77.3	78.0	78.0	78.7	79.3	80.0
≥ 9000	23.3	50.0	54.7	64.0	70.7	72.0	74.7	76.7	76.7	77.3	78.0	78.0	78.7	79.3	80.0
≥ 8000	24.0	50.7	55.3	64.7	71.3	72.7	76.0	78.0	78.0	78.7	79.3	79.3	80.0	80.7	81.3
≥ 7000	24.0	50.7	55.3	64.7	71.3	72.7	76.0	78.0	78.0	78.7	79.3	79.3	80.0	80.7	81.3
≥ 6000	24.0	50.7	55.3	64.7	71.3	72.7	76.0	78.0	78.0	78.7	79.3	79.3	80.0	80.7	81.3
≥ 5000	25.3	52.0	56.7	66.0	72.7	74.0	77.3	79.3	79.3	80.0	80.7	80.7	81.3	82.0	82.7
≥ 4500	26.0	52.7	57.3	66.7	73.3	75.3	78.7	80.7	80.7	81.3	82.0	82.0	82.7	83.3	84.0
≥ 4000	26.0	54.0	58.7	68.0	74.7	76.7	80.0	82.0	82.0	82.7	83.3	83.3	84.0	84.7	85.3
≥ 3500	26.0	54.0	58.7	68.0	74.7	76.7	80.0	82.0	82.0	82.7	83.3	83.3	84.0	84.7	85.3
≥ 3000	26.0	54.0	58.7	68.0	74.7	76.7	80.0	82.0	82.0	82.7	83.3	83.3	84.0	84.7	85.3
≥ 2500	27.3	55.3	60.0	69.3	76.7	78.7	82.0	84.0	84.0	84.7	85.3	85.3	86.0	86.7	87.3
≥ 2000	27.3	56.0	60.7	71.3	78.7	80.7	84.0	86.0	86.0	86.7	87.3	87.3	88.0	88.7	89.3
≥ 1800	27.3	56.0	60.7	71.3	78.7	80.7	84.0	86.0	86.0	86.7	87.3	87.3	88.0	88.7	89.3
≥ 1500	27.3	56.0	61.3	72.7	80.0	82.7	86.0	88.0	88.0	88.7	89.3	89.3	90.0	90.7	91.3
≥ 1200	27.3	56.0	61.3	72.7	80.0	82.7	86.0	88.0	88.0	88.7	89.3	89.3	90.0	90.7	91.3
≥ 1000	27.3	56.0	61.3	72.7	80.0	82.7	86.0	88.0	88.0	88.7	89.3	89.3	90.0	90.7	91.3
≥ 900	27.3	56.0	61.3	72.7	80.0	82.7	86.0	88.0	88.0	88.7	89.3	89.3	90.0	90.7	91.3
≥ 800	27.3	56.0	61.3	72.7	80.0	82.7	86.0	88.0	88.0	88.7	89.3	89.3	90.0	90.7	91.3
≥ 700	27.3	56.0	61.3	72.7	81.3	84.0	88.0	90.0	90.0	90.7	91.3	91.3	92.0	92.7	93.3
≥ 600	27.3	56.0	61.3	72.7	81.3	84.0	88.0	90.0	90.0	90.7	91.3	91.3	92.0	92.7	93.3
≥ 500	27.3	56.0	61.3	72.7	81.3	84.0	88.0	90.0	90.0	90.7	91.3	91.3	92.0	92.7	93.3
≥ 400	27.3	56.0	61.3	72.7	81.3	84.0	88.0	90.0	90.0	90.7	91.3	91.3	92.0	92.7	93.3
≥ 300	27.3	56.0	61.3	72.7	81.3	84.0	88.0	90.0	90.0	90.7	91.3	91.3	92.0	92.7	93.3
≥ 200	27.3	56.0	61.3	72.7	81.3	84.0	88.0	90.0	90.0	90.7	91.3	91.3	92.0	92.7	93.3
≥ 100	27.3	56.0	61.3	72.7	81.3	84.0	88.0	90.0	90.0	90.7	91.3	91.3	92.0	92.7	93.3
0	27.3	56.0	61.3	72.7	81.3	84.0	88.0	90.0	90.0	90.7	91.3	91.3	92.0	92.7	93.3

TOTAL NUMBER OF OBSERVATIONS

150



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LENDOKRE, CALIFORNIA  
STATION NAME

73-77

YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NOV  
MONTH

07

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½
NO CEILING	20.7	34.0	38.0	40.0	46.7	48.0	52.7	58.0	58.7	58.7	60.0
≥ 20000	22.0	35.3	40.0	42.0	48.7	50.0	54.7	60.0	60.7	60.7	62.7
≥ 18000	22.0	35.3	40.0	42.7	49.3	50.7	55.3	60.7	61.3	61.3	63.3
≥ 16000	22.0	35.3	40.0	42.7	49.3	50.7	55.3	60.7	61.3	61.3	63.3
≥ 14000	22.7	36.0	40.7	43.3	50.7	52.0	56.7	62.0	62.7	62.7	64.7
≥ 12000	24.0	37.3	42.0	44.7	52.0	53.3	58.0	63.3	64.0	64.0	66.0
≥ 10000	24.0	38.0	44.0	46.7	54.0	55.3	60.0	65.3	66.0	66.0	68.0
≥ 9000	24.7	38.7	44.7	47.3	54.7	56.0	60.7	66.0	66.7	66.7	68.7
≥ 8000	26.0	40.0	46.0	48.7	56.0	57.3	62.0	67.3	68.0	68.0	70.0
≥ 7000	26.0	40.0	46.0	48.7	56.0	57.3	62.0	68.0	68.7	68.7	70.7
≥ 6000	26.0	40.0	46.0	48.7	56.0	57.3	62.0	68.7	69.3	69.3	71.3
≥ 5000	26.0	41.3	47.3	50.0	58.0	59.3	64.0	70.7	71.3	71.3	73.3
≥ 4500	26.0	41.3	47.3	50.0	58.0	59.3	64.0	70.7	71.3	71.3	73.3
≥ 4000	26.7	42.7	48.7	51.3	59.3	60.7	65.3	72.0	72.7	72.7	74.7
≥ 3500	26.7	42.7	48.7	51.3	59.3	60.7	65.3	72.0	72.7	72.7	74.7
≥ 3000	26.7	42.7	48.7	51.3	59.3	61.3	66.0	72.7	73.3	73.3	75.3
≥ 2500	26.7	42.7	48.7	52.0	60.0	62.0	66.7	73.3	74.0	74.0	76.0
≥ 2000	26.7	43.3	50.0	53.3	61.3	63.3	68.0	74.7	75.3	75.3	77.3
≥ 1800	26.7	43.3	50.0	53.3	61.3	64.0	68.7	75.3	76.0	76.0	78.0
≥ 1500	26.7	44.0	50.7	54.0	62.0	64.7	69.3	76.0	76.7	76.7	78.7
≥ 1200	27.3	44.7	51.3	54.7	62.7	65.3	70.7	77.3	78.0	78.0	80.0
≥ 1000	27.3	44.7	51.3	54.7	62.7	65.3	71.3	78.0	78.7	78.7	80.7
≥ 900	27.3	44.7	52.0	55.3	63.3	66.7	72.7	79.3	80.0	80.0	82.0
≥ 800	27.3	44.7	52.0	55.3	63.3	66.7	72.7	80.0	80.7	80.7	82.7
≥ 700	27.3	44.7	52.0	55.3	63.3	66.7	72.7	80.7	81.3	81.3	83.3
≥ 600	27.3	44.7	52.0	55.3	63.3	66.7	73.3	81.3	82.0	82.0	84.0
≥ 500	27.3	44.7	52.0	55.3	63.3	66.7	74.0	82.0	82.7	82.7	84.7
≥ 400	27.3	44.7	52.0	55.3	63.3	66.7	74.0	82.7	83.3	84.0	86.0
≥ 300	27.3	44.7	52.0	55.3	63.3	66.7	74.0	82.7	83.3	84.0	86.0
≥ 200	27.3	44.7	52.0	55.3	63.3	66.7	74.0	82.7	83.3	84.0	86.0
≥ 100	27.3	44.7	52.0	55.3	63.3	66.7	74.0	82.7	83.3	84.0	86.0
≥ 0	27.3	44.7	52.0	55.3	63.3	66.7	74.0	82.7	83.3	84.0	86.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

23110  
STATION

LENDURE, CALIFORNIA  
STATION NAME

73-77

YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NOV  
MONTH

10

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	23.3	33.3	36.0	39.3	50.0	56.0	61.3	62.7	62.7	63.3	64.0	64.0
≥ 20000	24.0	35.3	38.7	42.7	54.0	62.0	67.3	69.3	69.3	70.0	71.3	72.0
≥ 18000	24.0	35.3	38.7	42.7	54.0	62.0	67.3	69.3	69.3	70.0	71.3	72.0
≥ 16000	24.0	35.3	38.7	42.7	54.0	62.0	67.3	69.3	69.3	70.0	71.3	72.0
≥ 14000	25.3	36.7	40.0	44.0	55.3	63.3	68.7	71.3	71.3	72.0	73.3	74.0
≥ 12000	25.3	36.7	40.0	44.0	56.0	64.0	69.3	72.0	72.0	72.7	74.0	74.7
≥ 10000	27.3	38.7	42.0	46.7	58.7	66.7	72.0	74.7	74.7	75.3	76.7	77.3
≥ 9000	28.0	39.3	42.7	47.3	59.3	67.3	72.7	75.3	75.3	76.0	77.3	78.0
≥ 8000	28.0	39.3	42.7	47.3	59.3	67.3	72.7	75.3	75.3	76.0	77.3	78.0
≥ 7000	28.7	40.0	44.0	48.7	60.7	68.7	74.0	76.7	76.7	77.3	78.7	79.3
≥ 6000	29.3	40.7	44.7	49.3	61.3	69.3	74.7	77.3	77.3	78.0	79.3	80.0
≥ 5000	29.3	40.7	44.7	49.3	61.3	69.3	74.7	77.3	77.3	78.0	79.3	80.0
≥ 4500	29.3	40.7	44.7	49.3	61.3	69.3	74.7	77.3	77.3	78.0	79.3	80.0
≥ 4000	29.3	41.3	46.0	50.7	62.7	70.7	76.0	78.7	78.7	79.3	80.7	81.3
≥ 3500	29.3	41.3	46.7	51.3	63.3	71.3	76.7	79.3	79.3	80.0	81.3	82.0
≥ 3000	29.3	41.3	46.7	51.3	63.3	71.3	77.3	80.0	80.0	80.7	82.0	82.7
≥ 2500	29.3	41.3	47.3	52.0	64.0	72.0	78.0	80.7	80.7	81.3	82.7	83.3
≥ 2000	30.0	42.7	48.7	53.3	65.3	73.3	79.3	82.0	82.0	82.7	84.0	84.7
≥ 1800	30.0	42.7	48.7	53.3	65.3	73.3	79.3	82.0	82.0	82.7	84.0	84.7
≥ 1500	30.0	42.7	48.7	53.3	66.0	74.0	80.7	83.3	83.3	84.0	85.3	86.0
≥ 1200	30.0	42.7	48.7	53.3	66.0	74.0	80.7	83.3	83.3	84.0	85.3	86.0
≥ 1000	30.0	42.7	48.7	53.3	66.7	76.0	82.7	85.3	85.3	86.0	87.3	88.0
≥ 900	30.0	42.7	48.7	53.3	66.7	76.0	82.7	85.3	85.3	86.0	87.3	88.0
≥ 800	30.0	42.7	48.7	53.3	66.7	76.7	84.0	86.7	86.7	87.3	88.7	89.3
≥ 700	30.0	42.7	48.7	53.3	67.3	78.0	85.3	88.0	88.0	88.7	90.0	90.7
≥ 600	30.0	43.3	49.3	54.0	68.0	79.3	86.7	89.3	90.0	90.7	92.0	92.7
≥ 500	30.0	43.3	49.3	54.0	68.0	79.3	87.3	90.0	90.7	92.0	93.3	94.0
≥ 400	30.0	43.3	49.3	54.0	68.0	79.3	87.3	90.0	90.7	92.0	93.3	94.0
≥ 300	30.0	43.3	49.3	54.0	68.0	79.3	87.3	90.0	90.7	92.0	94.0	94.7
≥ 200	30.0	43.3	49.3	54.0	68.0	79.3	87.3	90.0	90.7	92.0	94.0	95.3
≥ 100	30.0	43.3	49.3	54.0	68.0	79.3	87.3	90.0	90.7	92.0	94.0	95.3
0	30.0	43.3	49.3	54.0	68.0	79.3	87.3	90.0	90.7	92.0	94.0	95.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

23110  
STATIONLENDORE, CALIFORNIA  
STATION NAME

73-77

YEARS

NOV  
MONTH

13

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	22.0	36.0	42.0	49.3	60.7	63.3	65.3	66.0	66.0	66.0	66.0	66.0
≥ 20000	22.7	38.0	46.0	54.0	65.3	68.7	71.3	72.0	72.0	72.0	72.0	72.0
≥ 18000	22.7	38.7	46.7	55.3	66.7	70.0	72.7	73.3	73.3	73.3	73.3	73.3
≥ 16000	22.7	38.7	47.3	56.0	67.3	70.7	73.3	74.0	74.0	74.0	74.0	74.0
≥ 14000	23.3	40.0	48.7	57.3	68.7	72.0	74.7	75.3	75.3	75.3	75.3	75.3
≥ 12000	24.7	42.0	50.7	59.3	70.7	74.0	76.7	77.3	77.3	77.3	77.3	77.3
≥ 10000	25.0	44.0	53.3	62.0	73.3	76.7	79.3	80.0	80.0	80.0	80.0	80.0
≥ 9000	26.7	44.7	54.0	62.7	74.0	77.3	80.0	80.7	80.7	80.7	80.7	80.7
≥ 8000	26.7	44.7	54.7	63.3	74.7	78.0	80.7	81.3	81.3	81.3	81.3	81.3
≥ 7000	26.7	44.7	55.3	64.0	75.3	78.7	81.3	82.0	82.0	82.0	82.0	82.0
≥ 6000	26.7	45.3	56.0	64.7	76.0	79.3	82.0	82.7	82.7	82.7	82.7	82.7
≥ 5000	28.0	47.3	58.0	66.7	78.0	81.3	84.0	84.7	84.7	84.7	84.7	84.7
≥ 4500	28.0	47.3	58.0	66.7	78.0	81.3	84.0	84.7	84.7	84.7	84.7	84.7
≥ 4000	30.0	49.3	60.0	69.3	80.7	84.0	86.7	87.3	87.3	87.3	87.3	87.3
≥ 3500	30.7	50.0	61.3	70.7	82.0	85.3	88.0	88.7	88.7	88.7	88.7	88.7
≥ 3000	30.7	50.0	61.3	70.7	82.0	85.3	88.0	88.7	88.7	88.7	88.7	88.7
≥ 2500	30.7	50.7	62.0	71.3	82.7	86.0	88.7	89.3	89.3	89.3	89.3	89.3
≥ 2000	30.7	50.7	62.0	71.3	82.7	86.0	88.7	89.3	89.3	89.3	89.3	89.3
≥ 1800	30.7	50.7	62.0	71.3	82.7	86.0	88.7	89.3	89.3	89.3	89.3	89.3
≥ 1500	30.7	50.7	62.0	71.3	82.7	86.0	88.7	89.3	89.3	89.3	89.3	89.3
≥ 1200	30.7	50.7	62.0	72.0	86.0	89.3	92.7	93.3	93.3	93.3	93.3	93.3
≥ 1000	30.7	50.7	62.7	72.7	86.7	90.7	94.7	95.3	95.3	96.0	96.0	96.0
≥ 900	30.7	50.7	62.7	72.7	87.3	91.3	96.0	96.7	96.7	97.3	97.3	97.3
≥ 800	30.7	50.7	62.7	72.7	87.3	91.3	96.0	96.7	96.7	97.3	97.3	97.3
≥ 700	30.7	50.7	62.7	72.7	87.3	91.3	96.0	96.7	96.7	97.3	97.3	97.3
≥ 600	30.7	50.7	62.7	72.7	87.3	91.3	96.7	97.3	97.3	98.0	98.0	98.0
≥ 500	30.7	50.7	62.7	72.7	87.3	91.3	96.7	98.0	98.0	98.7	98.7	98.7
≥ 400	30.7	50.7	62.7	72.7	87.3	91.3	96.7	98.0	98.0	99.3	99.3	99.3
≥ 300	30.7	50.7	62.7	72.7	87.3	91.3	96.7	98.0	98.0	99.3	99.3	99.3
≥ 200	30.7	50.7	62.7	72.7	87.3	91.3	96.7	98.0	98.0	99.3	99.3	99.3
≥ 100	30.7	50.7	62.7	72.7	87.3	91.3	96.7	98.0	98.0	99.3	99.3	99.3
0	30.7	50.7	62.7	72.7	87.3	91.3	96.7	98.0	98.0	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

23110  
STATIONLEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

NOV  
MONTH

16

HOURS (LST.)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	20.0	39.3	48.7	59.3	67.3	67.3	68.0	68.0	68.0	68.7	68.7	68.7	68.7
≥ 20000	20.0	42.0	54.0	64.7	73.3	73.3	74.0	75.3	75.3	76.0	76.0	76.0	76.0
≥ 18000	20.0	42.0	54.0	64.7	73.3	73.3	74.0	75.3	75.3	76.0	76.0	76.0	76.0
≥ 16000	20.0	42.0	54.0	64.7	73.3	73.3	74.0	75.3	75.3	76.0	76.0	76.0	76.0
≥ 14000	20.0	42.7	54.7	65.3	74.0	74.0	74.7	76.7	76.7	77.3	77.3	77.3	77.3
≥ 12000	21.3	45.3	57.3	68.0	76.7	77.3	78.7	79.3	79.3	80.0	80.0	80.0	80.0
≥ 10000	23.3	47.3	60.0	71.3	80.0	80.7	82.7	83.3	83.3	84.0	84.0	84.0	84.0
≥ 9000	24.0	48.0	60.7	72.0	80.7	81.3	83.3	84.0	84.0	84.7	84.7	84.7	84.7
≥ 8000	25.3	49.3	62.7	74.0	82.7	83.3	85.3	86.0	86.0	86.7	86.7	86.7	86.7
≥ 7000	25.3	50.0	63.3	74.7	83.3	84.0	86.0	86.7	86.7	87.3	87.3	87.3	87.3
≥ 6000	25.3	50.0	63.3	74.7	83.3	84.0	86.0	86.7	86.7	87.3	87.3	87.3	87.3
≥ 5000	26.7	52.7	66.0	77.3	86.0	86.7	88.7	89.3	89.3	90.0	90.0	90.0	90.0
≥ 4500	26.7	53.3	66.7	78.0	86.7	87.3	89.3	90.0	90.0	90.7	90.7	90.7	90.7
≥ 4000	27.3	54.0	67.3	78.7	87.3	88.0	90.0	90.7	90.7	91.3	91.3	91.3	91.3
≥ 3500	27.3	54.0	67.3	78.7	87.3	88.0	90.0	90.7	90.7	91.3	91.3	91.3	91.3
≥ 3000	27.3	54.0	67.3	78.7	87.3	88.0	90.0	90.7	90.7	91.3	91.3	91.3	91.3
≥ 2500	28.0	55.3	68.7	80.0	88.7	89.3	91.3	92.0	92.0	92.7	92.7	92.7	92.7
≥ 2000	28.7	56.0	69.3	80.7	89.3	90.0	92.0	92.7	92.7	93.3	93.3	93.3	93.3
≥ 1800	28.7	57.3	70.7	82.0	90.7	91.3	93.3	94.0	94.0	94.7	94.7	94.7	94.7
≥ 1500	28.7	57.3	70.7	82.0	90.7	91.3	93.3	94.0	94.0	94.7	94.7	94.7	94.7
≥ 1200	28.7	57.3	70.7	82.0	91.3	92.0	94.0	94.7	94.7	95.3	95.3	95.3	95.3
≥ 1000	28.7	57.3	70.7	82.0	92.0	94.0	96.0	96.7	96.7	97.3	97.3	97.3	97.3
≥ 900	28.7	57.3	70.7	82.0	92.0	94.0	96.0	96.7	96.7	97.3	97.3	97.3	97.3
≥ 800	28.7	57.3	70.7	82.0	92.0	94.0	96.0	96.7	96.7	97.3	97.3	97.3	97.3
≥ 700	28.7	57.3	70.7	82.0	92.0	94.0	96.0	97.3	97.3	98.7	98.7	98.7	98.7
≥ 600	28.7	57.3	70.7	82.0	92.0	94.0	96.0	97.3	97.3	98.7	98.7	98.7	98.7
≥ 500	28.7	57.3	70.7	82.0	92.0	94.0	96.0	98.0	98.0	99.3	99.3	99.3	99.3
≥ 400	28.7	57.3	70.7	82.0	92.0	94.0	96.0	98.0	98.0	99.3	99.3	99.3	99.3
≥ 300	28.7	57.3	70.7	82.0	92.0	94.0	96.0	98.0	98.0	99.3	99.3	99.3	99.3
≥ 200	28.7	57.3	70.7	82.0	92.0	94.0	96.0	98.0	98.0	99.3	99.3	99.3	99.3
≥ 100	28.7	57.3	70.7	82.0	92.0	94.0	96.0	98.0	98.0	99.3	99.3	99.3	99.3
0	28.7	57.3	70.7	82.0	92.0	94.0	96.0	98.0	98.0	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

NOV  
MONTH

19

HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	24.0	40.7	50.7	62.7	68.7	69.3	72.0	72.7	72.7	72.7	72.7	72.7	72.7
≥ 20000	24.0	43.3	54.7	67.3	74.0	74.7	77.3	78.0	78.0	78.0	78.0	78.0	78.0
≥ 13000	24.0	43.3	54.7	67.3	74.0	74.7	77.3	78.0	78.0	78.0	78.0	78.0	78.0
≥ 16000	24.0	43.3	54.7	67.3	74.0	74.7	77.3	78.0	78.0	78.0	78.0	78.0	78.0
≥ 14000	24.0	44.0	55.3	68.0	74.7	75.3	78.7	79.3	79.3	79.3	79.3	79.3	79.3
≥ 12000	27.3	47.3	58.7	71.3	78.0	78.7	82.0	82.7	82.7	82.7	82.7	82.7	82.7
≥ 10000	28.7	48.7	60.0	73.3	80.0	80.7	84.0	84.7	84.7	84.7	84.7	84.7	84.7
≥ 9000	29.3	49.3	60.7	74.0	80.7	81.3	84.7	85.3	85.3	85.3	85.3	85.3	85.3
8000	30.7	50.7	62.0	76.0	82.7	83.3	86.7	87.3	87.3	87.3	87.3	87.3	87.3
7000	30.7	50.7	62.0	76.0	82.7	83.3	86.7	87.3	87.3	87.3	87.3	87.3	87.3
6000	30.7	50.7	62.0	76.0	82.7	83.3	86.7	87.3	87.3	87.3	87.3	87.3	87.3
5000	31.3	52.0	63.3	77.3	84.0	84.7	88.0	88.7	88.7	88.7	88.7	88.7	88.7
4500	31.3	52.7	64.0	78.0	84.7	85.3	88.7	89.3	89.3	89.3	89.3	89.3	89.3
4000	31.3	52.7	64.0	78.0	84.7	85.3	88.7	89.3	89.3	89.3	89.3	89.3	89.3
3500	32.0	53.3	64.7	78.7	85.3	86.0	89.3	90.0	90.0	90.0	90.0	90.0	90.0
3000	32.0	54.0	65.3	79.3	86.0	86.7	90.0	90.7	90.7	90.7	90.7	90.7	90.7
2500	33.3	55.3	67.3	81.3	88.0	88.7	92.0	92.7	92.7	92.7	92.7	92.7	92.7
2000	33.3	55.3	67.3	81.3	88.0	88.7	92.0	92.7	92.7	92.7	92.7	92.7	92.7
1800	33.3	56.0	68.0	82.0	88.7	89.3	92.7	93.3	93.3	93.3	93.3	93.3	93.3
1500	33.3	56.0	68.0	82.0	88.7	89.3	92.7	93.3	93.3	93.3	93.3	93.3	93.3
1200	33.3	56.0	68.0	82.7	90.0	90.7	94.0	94.7	94.7	94.7	94.7	94.7	94.7
1000	33.3	56.0	68.0	82.7	90.0	90.7	94.0	94.7	94.7	94.7	94.7	94.7	94.7
900	33.3	56.0	68.0	82.7	90.7	92.0	95.3	96.0	96.0	96.0	96.0	96.0	96.0
800	33.3	56.0	68.0	82.7	90.7	92.0	95.3	96.0	96.0	96.0	96.0	96.0	96.0
700	33.3	56.0	68.0	82.7	90.7	92.0	95.3	96.0	96.0	96.0	96.0	96.0	96.0
600	33.3	56.0	68.0	82.7	90.7	92.0	95.3	96.0	96.0	96.0	96.0	96.0	96.0
500	34.0	56.7	68.7	83.3	91.3	92.7	96.7	98.0	98.0	98.0	98.0	98.0	98.0
400	34.0	56.7	68.7	83.3	91.3	92.7	96.7	98.7	98.7	98.7	98.7	98.7	98.7
300	34.0	56.7	68.7	83.3	91.3	92.7	96.7	98.7	98.7	98.7	98.7	98.7	98.7
200	34.0	56.7	68.7	83.3	91.3	92.7	96.7	98.7	98.7	98.7	98.7	98.7	98.7
100	34.0	56.7	68.7	83.3	91.3	92.7	96.7	98.7	98.7	98.7	98.7	98.7	98.7
0	34.0	56.7	68.7	83.3	91.3	92.7	96.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

23110  
STATION

LEMOURE, CALIFORNIA  
STATION NAME

73-77

YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	28.0	46.0	53.3	62.7	70.0	71.3	74.0	74.7	74.7	75.3	75.3	75.3	75.3
≥ 20000	28.0	48.0	56.0	67.3	74.7	76.0	78.7	79.3	79.3	80.7	80.7	80.7	80.7
≥ 18000	28.0	48.0	56.0	67.3	74.7	76.0	78.7	79.3	79.3	80.7	80.7	80.7	80.7
≥ 16000	28.0	48.0	56.0	67.3	74.7	76.0	78.7	79.3	79.3	80.7	80.7	80.7	80.7
≥ 14000	28.0	48.0	56.0	67.3	74.7	76.0	79.3	80.0	81.3	81.3	81.3	81.3	81.3
≥ 12000	30.0	50.7	59.3	70.7	78.0	79.3	82.7	83.3	84.7	84.7	84.7	84.7	84.7
≥ 10000	31.3	53.3	62.7	74.0	81.3	82.7	86.0	86.7	88.0	88.0	88.0	88.0	88.0
≥ 9000	31.3	54.0	63.3	74.7	82.0	83.3	86.7	87.3	88.7	88.7	88.7	88.7	88.7
≥ 8000	31.3	54.0	63.3	75.3	82.7	84.0	87.3	88.0	89.3	89.3	89.3	89.3	89.3
≥ 7000	31.3	54.0	63.3	75.3	82.7	84.0	87.3	88.0	89.3	89.3	89.3	89.3	89.3
≥ 6000	31.3	54.0	63.3	75.3	82.7	84.0	87.3	88.0	89.3	89.3	89.3	89.3	89.3
≥ 5000	32.0	54.7	64.7	76.7	84.0	85.3	88.7	89.3	90.7	90.7	90.7	90.7	90.7
≥ 4500	32.0	55.3	65.3	77.3	84.7	86.0	89.3	90.0	91.3	91.3	91.3	91.3	91.3
≥ 4000	33.3	56.7	66.7	78.7	86.0	87.3	90.7	91.3	92.7	92.7	92.7	92.7	92.7
≥ 3500	33.3	56.7	66.7	78.7	86.0	87.3	90.7	91.3	92.7	92.7	92.7	92.7	92.7
≥ 3000	33.3	56.7	66.7	78.7	86.0	87.3	90.7	91.3	92.7	92.7	92.7	92.7	92.7
≥ 2500	33.3	57.3	67.3	79.3	86.7	88.0	91.3	92.0	93.3	93.3	93.3	93.3	93.3
≥ 2000	33.3	57.3	67.3	79.3	86.7	88.0	91.3	92.0	93.3	93.3	93.3	93.3	93.3
≥ 1800	33.3	58.0	68.0	80.0	87.3	88.7	92.0	92.7	94.0	94.0	94.0	94.0	94.0
≥ 1500	33.3	58.0	68.0	80.0	87.3	88.7	92.0	92.7	94.0	94.0	94.0	94.0	94.0
≥ 1200	33.3	58.0	68.0	80.7	88.0	89.3	92.7	93.3	94.7	94.7	94.7	94.7	94.7
≥ 1000	33.3	58.0	68.0	80.7	88.0	89.3	92.7	93.3	94.7	94.7	94.7	94.7	94.7
≥ 900	33.3	58.0	68.0	80.7	88.0	89.3	92.7	93.3	94.7	94.7	94.7	94.7	94.7
≥ 800	33.3	58.0	68.0	80.7	88.0	89.3	92.7	93.3	94.7	94.7	94.7	94.7	94.7
≥ 700	33.3	58.0	68.0	80.7	88.0	89.3	92.7	93.3	94.7	94.7	94.7	94.7	94.7
≥ 600	33.3	58.0	68.0	80.7	88.0	89.3	92.7	93.3	94.7	94.7	94.7	94.7	94.7
≥ 500	33.3	58.0	68.0	80.7	88.0	89.3	92.7	93.3	94.7	94.7	94.7	94.7	94.7
≥ 400	33.3	58.0	68.0	80.7	88.0	89.3	92.7	93.3	94.7	94.7	94.7	94.7	94.7
≥ 300	33.3	58.0	68.0	80.7	88.0	89.3	92.7	93.3	94.7	94.7	94.7	94.7	94.7
≥ 200	33.3	58.0	68.0	80.7	88.0	89.3	92.7	93.3	94.7	94.7	94.7	94.7	94.7
≥ 100	33.3	58.0	68.0	80.7	88.0	89.3	92.7	93.3	94.7	94.7	94.7	94.7	94.7
0	33.3	58.0	68.0	80.7	88.0	89.3	92.7	93.3	94.7	94.7	94.7	94.7	94.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

NDV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 10
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	22.6	39.8	45.9	53.5	61.8	63.8	66.5	67.9	67.9	68.5	68.7	68.7	69.1	69.4	70.0
≥ 20000	23.1	41.8	48.9	57.3	65.6	67.9	70.8	72.3	72.3	73.0	73.3	73.3	73.7	74.2	74.8
≥ 18000	23.1	41.8	49.0	57.6	65.8	68.2	71.1	72.6	72.6	73.3	73.5	73.5	74.1	74.4	75.0
≥ 16000	23.1	41.8	49.1	57.7	65.9	68.3	71.2	72.7	72.7	73.3	73.6	73.6	74.0	74.5	75.1
≥ 14000	23.4	42.4	49.7	58.3	66.6	68.9	72.0	73.7	73.7	74.3	74.6	74.6	75.0	75.5	76.1
≥ 12000	25.1	44.6	51.9	60.5	68.9	71.3	74.3	76.0	76.0	76.7	76.9	76.9	77.3	77.8	78.4
≥ 10000	26.3	46.6	54.4	63.3	71.7	74.0	77.2	78.8	78.8	79.5	79.8	79.8	80.2	80.7	81.3
≥ 9000	26.8	47.2	55.0	63.8	72.3	74.6	77.8	79.4	79.4	80.1	80.3	80.3	80.8	81.3	81.8
≥ 8000	27.4	47.9	55.9	64.9	73.3	75.7	78.9	80.6	80.6	81.3	81.5	81.5	81.9	82.4	83.0
≥ 7000	27.6	48.3	56.4	65.4	73.8	76.2	79.4	81.2	81.2	81.8	82.1	82.1	82.5	83.0	83.6
≥ 6000	27.8	48.5	56.7	65.7	74.1	76.4	79.7	81.5	81.5	82.2	82.4	82.4	82.8	83.3	83.9
≥ 5000	28.5	49.8	58.0	67.1	75.6	77.9	81.2	83.0	83.0	83.7	83.9	83.9	84.3	84.8	85.4
≥ 4500	28.6	50.1	58.3	67.4	75.9	78.3	81.6	83.4	83.4	84.1	84.3	84.3	84.9	85.3	85.8
≥ 4000	29.3	51.2	59.5	68.7	77.2	79.6	82.8	84.7	84.7	85.3	85.6	85.6	86.0	86.5	87.1
≥ 3500	29.5	51.3	59.8	69.1	77.6	80.0	83.3	85.1	85.1	85.8	86.0	86.0	86.4	86.9	87.5
≥ 3000	29.5	51.4	59.9	69.2	77.8	80.3	83.6	85.4	85.4	86.1	86.3	86.3	86.8	87.3	87.8
≥ 2500	29.9	52.1	60.8	70.1	78.7	81.2	84.6	86.4	86.4	87.1	87.3	87.3	87.9	88.3	88.8
≥ 2000	30.1	52.6	61.4	70.9	79.5	82.0	85.4	87.3	87.3	87.9	88.2	88.2	88.7	89.2	89.8
≥ 1800	30.1	52.9	61.8	71.3	79.8	82.4	85.8	87.7	87.7	88.3	88.6	88.6	89.1	89.6	90.2
≥ 1500	30.1	53.0	61.9	71.6	80.6	83.3	86.8	88.7	88.7	89.3	89.6	89.6	90.1	90.6	91.2
≥ 1200	30.2	53.1	62.0	71.9	81.1	83.8	87.5	89.3	89.3	90.0	90.3	90.3	90.8	91.3	91.8
≥ 1000	30.2	53.1	62.1	72.0	81.4	84.5	88.5	90.4	90.4	91.2	91.4	91.4	91.9	92.4	93.0
≥ 900	30.2	53.2	62.3	72.2	81.8	85.1	89.2	91.1	91.1	91.8	92.1	92.1	92.6	93.1	93.7
≥ 800	30.2	53.2	62.3	72.2	81.9	85.3	89.6	91.6	91.6	92.3	92.6	92.6	93.1	93.6	94.2
≥ 700	30.2	53.2	62.3	72.2	82.2	85.7	90.0	92.2	92.2	93.0	93.3	93.3	93.9	94.3	94.8
≥ 600	30.2	53.3	62.3	72.3	82.3	86.0	90.6	92.9	92.9	93.8	94.1	94.1	94.6	95.1	95.7
≥ 500	30.3	53.3	62.4	72.3	82.3	86.2	91.0	93.6	93.6	94.6	94.8	94.8	95.3	95.8	96.4
≥ 400	30.3	53.3	62.4	72.3	82.3	86.3	91.1	93.9	93.9	95.1	95.5	95.5	96.0	96.5	97.1
≥ 300	30.3	53.3	62.4	72.3	82.3	86.3	91.1	94.0	94.0	95.3	95.8	95.8	96.3	96.8	97.4
≥ 200	30.3	53.3	62.4	72.3	82.3	86.3	91.1	94.0	94.0	95.3	95.8	95.8	96.4	96.9	97.5
≥ 100	30.3	53.3	62.4	72.3	82.3	86.3	91.1	94.0	94.0	95.3	95.8	95.8	96.5	97.0	97.6
≥ 0	30.3	53.3	62.4	72.3	82.3	86.3	91.1	94.0	94.0	95.3	95.8	95.8	96.8	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS

1200

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	7.7	16.8	22.6	27.1	33.6	35.5	41.3	43.9	43.9	46.5	47.7	47.7	50.3	52.3
≥ 20000	7.7	16.8	22.6	27.1	33.6	35.5	41.3	44.5	44.5	47.1	48.4	48.4	51.0	52.9
≥ 18000	7.7	16.8	22.6	27.1	33.6	35.5	41.3	44.5	44.5	47.1	48.4	48.4	51.0	52.9
≥ 16000	7.7	16.8	22.6	27.1	33.6	35.5	41.3	44.5	44.5	47.1	48.4	48.4	51.0	52.9
≥ 14000	7.7	17.4	23.2	27.7	34.2	36.1	42.6	45.2	45.2	47.7	49.0	49.0	51.6	53.6
≥ 12000	7.7	17.4	23.9	29.0	36.1	38.1	44.5	47.1	47.1	49.7	51.0	51.0	53.6	55.5
≥ 10000	7.7	18.1	24.5	29.7	36.8	38.7	45.2	47.7	47.7	50.3	52.3	52.3	54.8	56.8
≥ 9000	7.7	18.1	24.5	29.7	36.8	38.7	45.2	47.7	47.7	50.3	52.3	52.3	54.8	56.8
≥ 8000	9.0	20.0	26.5	31.6	38.7	40.7	47.1	49.7	49.7	52.3	54.2	54.2	56.8	58.7
≥ 7000	9.0	20.0	27.1	32.3	39.4	41.3	47.7	50.3	50.3	52.9	54.8	54.8	57.4	59.4
≥ 6000	9.0	20.0	27.7	33.6	40.7	42.6	49.7	52.3	52.3	54.8	56.8	56.8	59.4	61.3
≥ 5000	9.0	20.7	29.7	35.5	42.6	44.5	51.6	54.2	54.2	56.8	58.7	58.7	61.3	63.2
≥ 4500	9.0	20.7	29.7	35.5	42.6	44.5	51.6	54.2	54.2	56.8	58.7	58.7	61.3	63.2
≥ 4000	9.0	21.3	30.3	36.1	43.2	45.2	52.3	54.8	54.8	57.4	59.4	59.4	61.9	63.9
≥ 3500	9.0	21.3	30.3	36.1	43.2	45.2	52.3	54.8	54.8	57.4	59.4	59.4	61.9	63.9
≥ 3000	9.0	23.2	32.3	38.1	45.2	47.1	54.2	56.8	56.8	59.4	61.3	61.3	63.9	65.8
≥ 2500	9.0	23.9	32.9	38.7	45.8	47.7	55.5	58.7	58.7	61.3	63.2	63.2	65.8	67.7
≥ 2000	9.0	25.2	34.8	40.7	47.7	49.7	57.4	60.7	60.7	63.2	65.2	65.2	67.7	69.7
≥ 1800	9.0	25.2	34.8	40.7	47.7	49.7	57.4	60.7	60.7	63.2	65.2	65.2	67.7	69.7
≥ 1500	9.7	26.5	36.1	42.6	49.7	51.6	59.4	63.2	63.2	65.8	68.4	68.4	71.0	72.9
≥ 1200	9.7	27.1	36.8	43.2	50.3	52.3	60.0	63.9	63.9	66.5	69.0	69.0	71.6	73.6
≥ 1000	9.7	27.1	36.8	43.2	50.3	52.3	60.7	65.2	65.2	67.7	70.3	70.3	72.9	74.8
≥ 900	9.7	27.1	36.8	43.2	50.3	52.3	60.7	65.2	65.2	67.7	70.3	70.3	72.9	74.8
≥ 800	9.7	27.1	36.8	43.2	50.3	52.3	60.7	65.2	65.2	67.7	70.3	70.3	72.9	74.8
≥ 700	9.7	27.1	36.8	43.2	50.3	52.3	60.7	65.2	65.2	67.7	70.3	70.3	72.9	74.8
≥ 600	9.7	27.1	36.8	43.2	50.3	52.3	60.7	65.2	65.2	67.7	70.3	70.3	72.9	74.8
≥ 500	9.7	27.1	36.8	43.2	50.3	52.3	60.7	65.2	65.2	67.7	70.3	70.3	72.9	74.8
≥ 400	9.7	27.1	36.8	43.2	50.3	52.3	60.7	65.2	65.2	67.7	70.3	70.3	72.9	74.8
≥ 300	9.7	27.1	36.8	43.2	50.3	52.3	60.7	65.2	65.2	67.7	70.3	70.3	72.9	74.8
≥ 200	9.7	27.1	36.8	43.2	50.3	52.3	60.7	65.2	65.2	67.7	70.3	70.3	72.9	74.8
≥ 100	9.7	27.1	36.8	43.2	50.3	52.3	60.7	65.2	65.2	67.7	70.3	70.3	72.9	74.8
0	9.7	27.1	36.8	43.2	50.3	52.3	60.7	65.2	65.2	67.7	70.3	70.3	72.9	74.8

TOTAL NUMBER OF OBSERVATIONS

155

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

DEC  
MONTH

04  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	9.0	17.4	20.0	25.2	31.6	32.9	37.4	40.0	40.7	42.6	43.9	43.9	45.8
≥ 20000	9.0	17.4	20.0	25.2	31.6	32.9	38.1	40.7	41.3	43.2	44.5	44.5	46.5
≥ 18000	9.0	17.4	20.0	25.2	31.6	32.9	38.1	40.7	41.3	43.2	44.5	44.5	46.5
≥ 16000	9.0	17.4	20.0	25.2	31.6	32.9	38.1	40.7	41.3	43.2	44.5	44.5	46.5
≥ 14000	9.0	17.4	20.0	25.2	31.6	32.9	38.1	40.7	41.3	43.2	44.5	44.5	46.5
≥ 12000	9.0	18.1	20.7	25.8	32.9	34.2	39.4	41.9	42.6	44.5	45.8	47.1	48.4
≥ 10000	9.0	19.4	21.9	27.1	34.2	35.5	40.7	43.2	43.9	45.8	47.1	49.0	49.0
≥ 9000	9.0	19.4	21.9	27.1	34.2	35.5	40.7	43.2	43.9	45.8	47.1	49.0	50.3
8000	9.0	20.0	23.2	28.4	35.5	36.8	41.9	44.5	45.2	47.1	48.4	50.3	51.6
7000	9.7	21.3	24.5	29.7	36.8	38.1	43.9	46.5	47.1	49.0	50.3	52.9	53.6
6000	9.7	21.3	25.2	30.3	37.4	38.7	44.5	47.1	47.7	49.7	51.0	52.9	54.8
5000	9.7	21.3	25.8	31.0	38.1	39.4	46.5	49.0	49.7	51.6	52.9	54.8	56.1
4500	9.7	21.3	25.8	31.0	38.1	39.4	46.5	49.0	49.7	51.6	52.9	54.8	56.1
4000	9.7	21.9	26.5	31.6	38.7	40.0	47.1	49.7	50.3	52.3	53.6	55.5	56.8
3500	9.7	21.9	26.5	31.6	38.7	40.0	47.1	49.7	50.3	52.3	53.6	55.5	56.8
3000	9.7	21.9	26.5	31.6	38.7	40.0	47.1	49.7	50.3	52.3	53.6	55.5	56.8
2500	9.7	21.9	26.5	31.6	38.7	40.0	47.1	49.7	50.3	52.3	53.6	55.5	56.8
2000	9.7	21.9	26.5	31.6	38.7	40.0	47.1	49.7	50.3	52.3	53.6	55.5	56.8
1800	9.7	24.5	29.7	34.8	41.9	43.2	50.3	52.9	54.2	56.1	57.4	59.4	61.3
1500	9.7	25.8	31.0	36.8	43.9	45.2	52.3	54.8	56.1	58.1	59.4	61.3	62.6
1200	9.7	25.8	31.0	36.8	43.9	45.2	52.3	54.8	56.1	58.1	59.4	61.3	62.6
1000	9.7	25.8	31.0	36.8	43.9	45.2	52.3	54.8	56.1	58.1	59.4	61.3	62.6
900	9.7	25.8	31.0	36.8	43.9	45.2	52.3	54.8	56.1	58.1	59.4	61.3	62.6
800	9.7	25.8	31.0	36.8	43.9	45.2	52.3	54.8	56.1	58.1	59.4	61.3	62.6
700	9.7	26.5	31.6	37.4	45.2	46.5	53.6	56.1	57.4	59.4	60.7	62.6	63.9
600	9.7	26.5	31.6	37.4	45.2	46.5	53.6	56.1	57.4	59.4	60.7	62.6	63.9
500	9.7	26.5	31.6	37.4	45.2	46.5	53.6	56.1	57.4	59.4	60.7	62.6	63.9
400	9.7	26.5	31.6	37.4	45.2	46.5	53.6	56.1	57.4	59.4	60.7	62.6	63.9
300	9.7	26.5	31.6	37.4	45.2	46.5	53.6	56.1	57.4	59.4	60.7	62.6	63.9
200	9.7	26.5	31.6	37.4	45.2	46.5	53.6	56.1	57.4	59.4	60.7	62.6	63.9
100	9.7	26.5	31.6	37.4	45.2	46.5	53.6	56.1	57.4	59.4	60.7	62.6	63.9
0	9.7	26.5	31.6	37.4	45.2	46.5	53.6	56.1	57.4	59.4	60.7	62.6	63.9

TOTAL NUMBER OF OBSERVATIONS

155



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07  
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	9.0	11.6	14.8	16.1	18.7	23.9	27.7	31.0	31.0	34.8	35.5
≥ 20000	9.7	12.3	16.1	17.4	20.0	25.2	29.0	32.9	32.9	38.7	40.7
≥ 18000	9.7	12.3	16.1	17.4	20.0	25.2	29.0	32.9	32.9	38.7	40.7
≥ 16000	9.7	12.3	16.1	17.4	20.0	25.2	29.0	32.9	32.9	38.7	40.7
≥ 14000	9.7	12.3	16.1	17.4	20.0	25.2	29.0	32.9	32.9	38.7	40.7
≥ 12000	9.7	12.3	16.1	17.4	20.0	25.2	29.0	32.9	32.9	38.7	40.7
≥ 10000	10.3	12.9	16.8	18.1	20.7	25.8	29.7	34.2	34.2	40.0	41.9
≥ 9000	10.3	12.9	16.8	18.1	20.7	25.8	29.7	34.2	34.2	40.0	41.9
≥ 8000	11.0	13.6	17.4	18.7	21.3	26.5	30.3	34.8	34.8	40.7	42.6
≥ 7000	11.6	14.2	18.1	19.4	21.9	27.1	31.0	35.5	35.5	41.3	43.2
≥ 6000	11.6	14.8	18.7	20.7	23.2	28.4	32.3	36.8	36.8	42.6	44.5
≥ 5000	11.6	14.8	18.7	20.7	23.2	28.4	32.3	36.8	36.8	42.6	44.5
≥ 4500	11.6	14.8	18.7	20.7	23.2	28.4	32.3	37.4	37.4	43.9	45.8
≥ 4000	11.6	14.8	18.7	20.7	23.2	28.4	32.3	38.1	38.1	44.5	46.5
≥ 3500	12.3	16.1	20.0	21.9	24.5	29.7	33.6	39.4	39.4	45.8	47.7
≥ 3000	12.3	16.1	20.0	21.9	24.5	29.7	33.6	39.4	39.4	45.8	47.7
≥ 2500	12.3	17.4	21.3	23.2	25.8	31.0	34.8	40.7	40.7	47.1	49.0
≥ 2000	12.3	18.1	23.2	25.8	28.4	33.6	37.4	43.9	43.9	50.3	52.3
≥ 1800	12.3	18.1	23.2	25.8	28.4	33.6	37.4	43.9	43.9	50.3	52.3
≥ 1500	12.3	18.1	23.2	25.8	28.4	33.6	37.4	43.9	43.9	50.3	52.3
≥ 1200	12.3	18.1	23.2	25.8	28.4	33.6	37.4	43.9	43.9	50.3	52.3
≥ 1000	12.3	18.1	23.2	25.8	28.4	33.6	37.4	43.9	43.9	50.3	52.3
≥ 900	12.3	18.1	23.2	25.8	28.4	34.2	38.1	45.2	45.2	51.6	53.6
≥ 800	12.3	18.1	23.2	25.8	29.0	34.8	38.7	45.8	45.8	52.3	54.2
≥ 700	12.9	18.7	23.9	26.5	29.7	35.5	39.4	46.5	46.5	53.6	55.5
≥ 600	12.9	18.7	23.9	26.5	29.7	35.5	39.4	46.5	46.5	53.6	55.5
≥ 500	12.9	18.7	23.9	26.5	30.3	36.1	40.0	47.1	47.1	54.2	56.1
≥ 400	12.9	18.7	23.9	27.1	31.0	36.8	40.7	47.7	47.7	56.1	58.1
≥ 300	12.9	18.7	23.9	27.1	31.0	36.8	40.7	47.7	47.7	56.8	58.7
≥ 200	12.9	18.7	23.9	27.1	31.0	36.8	40.7	47.7	47.7	56.8	60.7
≥ 100	12.9	18.7	23.9	27.1	31.0	36.8	40.7	47.7	47.7	56.8	60.7
0	12.9	18.7	23.9	27.1	31.0	36.8	40.7	47.7	47.7	56.8	60.7

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	9.7	12.3	14.8	16.1	18.1	26.5	31.6	36.8	37.4	41.3	42.6	43.9	43.9	43.9
≥ 20000	10.3	12.9	15.5	15.5	19.4	27.7	32.9	38.7	39.4	44.5	45.8	47.1	47.1	47.7
≥ 18000	10.3	12.9	15.5	15.5	19.4	27.7	32.9	38.7	39.4	44.5	45.8	47.1	47.1	47.7
≥ 16000	10.3	12.9	15.5	15.5	20.0	28.4	33.6	39.4	40.0	45.2	46.5	47.7	47.7	48.4
≥ 14000	11.0	13.6	16.1	16.1	20.7	29.0	34.2	40.7	41.3	46.5	47.7	49.0	49.0	49.7
≥ 12000	11.6	14.8	17.4	17.4	21.9	30.3	36.1	42.6	43.9	49.0	50.3	51.6	51.6	52.9
≥ 10000	12.3	15.5	18.1	18.1	22.6	31.0	36.8	43.2	44.5	49.7	51.0	52.3	52.3	53.6
≥ 9000	12.9	16.1	18.7	18.7	23.2	31.6	37.4	43.9	45.2	50.3	51.6	52.9	52.9	54.2
≥ 8000	13.6	16.8	20.0	20.0	24.5	32.9	38.7	45.2	46.5	51.6	52.9	54.2	54.2	55.5
≥ 7000	13.6	16.8	20.0	20.0	24.5	32.9	38.7	45.2	46.5	51.6	52.9	54.2	54.2	55.5
≥ 6000	13.6	16.8	20.0	20.0	24.5	32.9	38.7	45.2	46.5	51.6	52.9	54.2	54.2	55.5
≥ 5000	14.2	18.1	21.3	21.3	25.8	34.2	40.0	47.1	48.4	54.8	56.1	57.4	57.4	58.7
≥ 4500	14.2	18.1	21.3	21.3	25.8	34.2	40.0	47.1	48.4	54.8	56.1	57.4	57.4	58.7
≥ 4000	14.2	18.1	21.3	21.3	25.8	34.2	40.0	47.1	48.4	54.8	56.1	57.4	57.4	58.7
≥ 3500	14.2	18.1	22.6	22.6	27.1	35.5	41.3	48.4	49.7	56.1	57.4	58.7	58.7	60.0
≥ 3000	14.2	18.1	22.6	23.2	27.7	36.1	41.9	49.0	50.3	56.8	58.1	59.4	59.4	60.7
≥ 2500	14.2	18.1	22.6	23.9	28.4	36.8	42.6	51.6	52.9	59.4	60.7	61.9	61.9	63.2
≥ 2000	14.2	18.1	22.6	23.9	29.0	37.4	43.2	52.3	53.6	60.7	61.9	63.2	63.2	64.5
≥ 1800	14.2	18.7	23.2	24.5	29.7	38.1	43.9	53.6	54.8	61.9	63.2	64.5	64.5	65.8
≥ 1500	14.2	18.7	23.2	24.5	29.7	38.7	44.5	54.8	56.1	63.2	64.5	65.8	65.8	67.1
≥ 1200	14.2	18.7	23.2	24.5	29.7	38.7	44.5	54.8	56.8	63.9	65.2	66.5	66.5	67.7
≥ 1000	14.2	19.4	24.5	25.8	31.0	40.0	45.8	57.4	58.7	65.8	67.1	68.4	68.4	69.7
≥ 900	14.2	19.4	24.5	25.8	31.0	40.0	45.8	58.1	59.4	66.5	67.7	69.0	69.0	69.7
≥ 800	14.2	19.4	24.5	25.8	31.0	40.0	45.8	58.1	59.4	66.5	67.7	69.0	69.0	70.3
≥ 700	14.2	19.4	24.5	25.8	31.0	40.0	45.8	58.1	59.4	66.5	67.7	69.0	69.0	70.3
≥ 600	14.2	19.4	24.5	25.8	31.0	40.0	45.8	58.1	60.0	67.1	68.4	69.7	69.7	71.0
≥ 500	14.2	19.4	24.5	25.8	31.0	40.0	45.8	58.1	60.0	67.1	68.4	69.7	69.7	71.0
≥ 400	14.2	19.4	24.5	25.8	31.0	40.0	45.8	58.7	60.7	67.7	69.0	70.3	70.3	71.6
≥ 300	14.2	19.4	25.2	26.5	31.6	40.7	46.5	59.4	61.3	69.7	71.6	74.2	74.2	75.5
≥ 200	14.2	19.4	25.2	26.5	31.6	40.7	46.5	59.4	61.3	70.3	74.8	75.5	80.7	81.9
≥ 100	14.2	19.4	25.2	26.5	31.6	40.7	46.5	59.4	61.3	71.0	76.1	76.8	81.9	83.2
≥ 0	14.2	19.4	25.2	26.5	31.6	40.7	46.5	59.4	61.3	71.0	76.1	76.8	81.9	85.2

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	5.8	10.3	14.2	16.8	22.6	30.3	38.1	43.9	43.9	45.2	45.2	45.2
≥ 20000	5.8	11.0	14.8	17.4	23.9	32.3	41.3	48.4	48.4	51.0	51.0	51.0
≥ 18000	5.8	11.0	14.8	17.4	23.9	32.3	41.3	48.4	48.4	51.0	51.0	51.0
≥ 16000	6.5	11.6	15.5	18.1	24.5	32.9	41.9	49.0	49.0	51.6	51.6	51.6
≥ 14000	6.5	11.6	15.5	18.1	24.5	32.9	41.9	49.0	49.0	51.6	51.6	51.6
≥ 12000	7.7	14.2	18.1	20.7	27.1	35.5	44.5	51.6	51.6	54.2	54.2	54.2
≥ 10000	7.7	14.8	18.7	21.3	28.4	36.8	45.8	52.9	52.9	55.5	55.5	55.5
≥ 9000	8.4	16.1	20.0	22.6	29.7	38.1	47.1	54.2	54.2	56.8	56.8	56.8
≥ 8000	8.4	16.1	20.0	22.6	29.7	38.1	47.1	54.8	54.8	57.4	57.4	57.4
≥ 7000	9.0	17.4	21.3	23.9	31.0	39.4	49.0	56.1	56.1	58.7	58.7	58.7
≥ 6000	9.7	18.7	22.6	25.2	32.9	41.3	51.6	58.7	58.7	61.3	61.3	61.3
≥ 5000	10.3	20.0	24.5	27.1	34.8	43.9	54.2	61.3	61.3	64.5	64.5	64.5
≥ 4500	11.0	20.7	25.2	27.7	35.5	44.5	54.8	61.9	61.9	65.2	65.2	65.2
≥ 4000	11.0	20.7	25.2	27.7	35.5	44.5	54.8	61.9	61.9	65.2	65.2	65.2
≥ 3500	12.3	21.9	26.5	29.0	36.8	45.8	56.1	63.2	63.2	66.5	66.5	66.5
≥ 3000	12.3	21.9	26.5	29.0	36.8	45.8	56.1	63.2	63.2	66.5	66.5	66.5
≥ 2500	12.3	21.9	26.5	29.0	36.8	45.8	56.1	63.2	63.2	67.1	67.1	67.1
≥ 2000	13.6	24.5	29.7	32.3	40.7	49.7	60.0	67.1	67.1	71.0	71.0	71.0
≥ 1800	13.6	24.5	29.7	32.3	40.7	49.7	60.0	67.1	67.1	71.0	71.0	71.0
≥ 1500	13.6	24.5	30.3	32.9	42.6	52.3	62.6	69.7	69.7	73.6	73.6	73.6
≥ 1200	13.6	25.2	31.6	34.2	43.9	53.6	63.9	71.6	71.6	75.5	75.5	75.5
≥ 1000	13.6	25.2	31.6	34.2	45.2	54.8	65.8	73.6	73.6	77.4	77.4	78.1
≥ 900	13.6	25.2	31.6	34.2	45.2	55.5	66.5	74.2	74.2	78.1	78.1	78.7
≥ 800	13.6	25.2	31.6	34.2	45.2	55.5	66.5	74.2	74.2	78.1	78.1	78.7
≥ 700	13.6	25.2	31.6	34.2	45.2	56.1	67.1	76.8	76.8	81.9	81.9	82.6
≥ 600	13.6	25.2	31.6	34.2	45.2	56.1	67.1	77.4	77.4	81.9	81.9	83.9
≥ 500	13.6	25.2	32.3	34.8	45.8	57.4	69.7	80.0	80.0	84.5	84.5	86.5
≥ 400	13.6	25.2	32.3	34.8	45.8	58.1	71.6	82.6	82.6	87.7	87.7	90.3
≥ 300	13.6	25.2	32.3	35.5	46.5	58.7	72.9	84.5	84.5	89.7	89.7	93.6
≥ 200	13.6	25.2	32.3	35.5	46.5	58.7	73.6	85.2	85.2	92.3	92.3	98.7
≥ 100	13.6	25.2	32.3	35.5	46.5	58.7	73.6	85.2	85.2	92.3	92.3	99.4
0	13.6	25.2	32.3	35.5	46.5	58.7	73.6	85.2	85.2	92.3	92.3	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	9.0	19.4	22.6	25.2	34.8	42.6	50.3	56.1	56.1	56.1	56.1	56.1	56.1
≥ 20000	10.3	21.3	24.5	27.1	38.7	47.1	56.1	63.2	63.2	63.9	63.9	64.5	64.5
≥ 18000	10.3	21.3	24.5	27.1	38.7	47.1	56.1	63.2	63.2	63.9	63.9	64.5	64.5
≥ 16000	10.3	21.3	24.5	27.1	38.7	47.1	56.1	63.2	63.2	63.9	63.9	64.5	64.5
≥ 14000	10.3	21.9	25.2	27.7	39.4	47.7	57.4	64.5	64.5	65.2	65.2	65.8	65.8
≥ 12000	11.0	23.9	27.1	29.7	41.9	50.3	60.0	67.7	67.7	68.4	68.4	69.0	69.0
≥ 10000	11.0	24.5	27.7	31.0	43.2	51.6	61.3	69.0	69.0	69.7	69.7	70.3	70.3
≥ 9000	11.0	24.5	27.7	31.0	43.2	51.6	61.3	69.0	69.0	69.7	69.7	70.3	70.3
≥ 8000	11.6	25.2	29.0	32.3	44.5	52.9	62.6	70.3	70.3	71.0	71.0	71.6	71.6
≥ 7000	12.9	27.1	31.0	34.2	47.1	55.5	65.2	72.9	72.9	73.6	73.6	74.2	74.2
≥ 6000	12.9	27.1	31.0	34.2	47.1	55.5	65.2	72.9	72.9	73.6	73.6	74.2	74.2
≥ 5000	13.6	28.4	32.3	35.5	48.4	56.8	66.5	74.2	74.2	75.5	75.5	76.1	76.1
≥ 4500	13.6	28.4	32.3	35.5	48.4	56.8	66.5	74.2	74.2	75.5	75.5	76.1	76.1
≥ 4000	13.6	28.4	32.3	35.5	48.4	56.8	66.5	74.2	74.2	75.5	75.5	76.1	76.1
≥ 3500	13.6	28.4	32.3	35.5	48.4	56.8	66.5	74.2	74.2	75.5	75.5	76.1	76.1
≥ 3000	13.6	28.4	32.3	35.5	48.4	56.8	66.5	74.2	74.2	75.5	75.5	76.1	76.1
≥ 2500	13.6	29.0	32.9	36.1	49.7	58.1	68.4	76.1	76.1	77.4	77.4	78.1	78.1
≥ 2000	13.6	29.7	33.6	36.8	51.0	59.4	69.7	77.4	77.4	78.7	78.7	79.4	79.4
≥ 1800	13.6	29.7	33.6	36.8	51.0	59.4	69.7	77.4	77.4	78.7	78.7	79.4	79.4
≥ 1500	13.6	31.0	34.8	38.7	54.2	62.6	72.9	80.7	80.7	81.9	81.9	82.6	82.6
≥ 1200	13.6	31.0	36.1	40.0	55.5	63.9	74.2	82.6	82.6	83.9	83.9	84.5	84.5
≥ 1000	13.6	31.0	36.8	40.7	56.1	64.5	75.5	83.9	83.9	85.2	85.2	85.8	85.8
≥ 900	13.6	31.0	36.8	40.7	56.1	64.5	75.5	83.9	83.9	85.2	85.2	85.8	85.8
≥ 800	13.6	31.0	36.8	40.7	56.8	65.8	77.4	86.5	86.5	87.7	87.7	88.4	88.4
≥ 700	13.6	31.0	36.8	40.7	56.8	66.5	78.7	87.7	87.7	89.0	89.0	89.7	89.7
≥ 600	13.6	31.0	36.8	40.7	57.4	67.1	79.4	89.0	89.0	91.6	91.6	92.3	92.3
≥ 500	13.6	31.0	36.8	40.7	57.4	67.1	80.0	92.3	92.3	94.2	94.2	95.5	95.5
≥ 400	13.6	31.0	36.8	40.7	57.4	67.1	80.0	92.3	92.3	94.2	94.2	95.5	95.5
≥ 300	13.6	31.0	36.8	40.7	57.4	67.1	80.7	92.9	93.6	94.8	94.8	97.4	97.4
≥ 200	13.6	31.0	36.8	40.7	58.1	67.7	81.3	93.6	94.2	95.5	95.5	98.1	98.1
≥ 100	13.6	31.0	36.8	40.7	58.1	67.7	81.3	93.6	94.2	95.5	95.5	98.1	98.1
≥ 0	13.6	31.0	36.8	40.7	58.1	67.7	81.3	93.6	94.2	95.5	95.5	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

155



# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

DEC  
MONTH

19  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	10.3	20.0	23.2	30.3	43.2	50.3	55.5	61.3	61.9	62.6	62.6	62.6	62.6	62.6
≥ 20000	10.3	20.0	23.2	31.0	43.9	51.0	56.8	64.5	65.2	66.5	66.5	66.5	66.5	66.5
≥ 18000	10.3	20.0	23.2	31.0	44.5	51.6	57.4	65.2	65.8	67.1	67.1	67.1	67.1	67.1
≥ 16000	10.3	20.0	23.2	31.0	44.5	51.6	57.4	65.2	65.8	67.1	67.1	67.1	67.1	67.1
≥ 14000	10.3	20.7	24.5	32.3	45.8	52.9	58.7	66.5	67.1	68.4	68.4	68.4	68.4	68.4
≥ 12000	10.3	20.7	25.2	32.9	47.1	54.2	60.0	67.7	68.4	69.7	69.7	69.7	69.7	69.7
≥ 10000	11.0	21.9	26.5	34.2	48.4	55.5	61.9	70.3	71.0	72.3	72.3	72.3	72.3	72.3
≥ 9000	11.0	21.9	26.5	34.2	48.4	55.5	61.9	70.3	71.0	72.3	72.3	72.3	72.3	72.3
≥ 8000	11.6	23.2	27.7	35.5	49.7	56.8	63.2	71.6	72.3	73.6	73.6	73.6	73.6	73.6
≥ 7000	11.6	23.9	28.4	36.1	50.3	57.4	63.9	72.3	72.9	74.2	74.2	74.2	74.2	74.2
≥ 6000	11.6	23.9	28.4	36.1	50.3	57.4	63.9	72.3	72.9	74.2	74.2	74.2	74.2	74.2
≥ 5000	11.6	25.2	29.7	37.4	51.6	58.7	65.8	74.2	74.8	76.1	76.1	76.1	76.1	76.1
≥ 4500	11.6	25.8	30.3	38.1	52.3	59.4	66.5	74.8	75.5	76.8	76.8	76.8	76.8	76.8
≥ 4000	11.6	25.8	31.0	38.7	52.9	60.0	67.1	75.5	76.1	77.4	77.4	77.4	77.4	77.4
≥ 3500	11.6	25.8	31.0	38.7	52.9	60.0	67.1	75.5	76.1	77.4	77.4	77.4	77.4	77.4
≥ 3000	11.6	26.5	31.6	39.4	53.6	60.7	67.7	76.1	76.8	78.1	78.1	78.1	78.1	78.1
≥ 2500	11.6	26.5	31.6	39.4	53.6	60.7	67.7	76.1	76.8	78.1	78.1	78.1	78.1	78.1
≥ 2000	11.6	27.1	32.3	40.0	54.8	62.6	69.7	78.7	79.4	80.7	80.7	80.7	80.7	80.7
≥ 1800	11.6	27.1	32.3	40.0	54.8	62.6	69.7	78.7	79.4	80.7	80.7	80.7	80.7	80.7
≥ 1500	11.6	27.7	33.6	42.6	58.7	66.5	73.6	83.9	84.5	85.8	85.8	85.8	85.8	85.8
≥ 1200	11.6	27.7	33.6	42.6	59.4	67.1	74.2	84.5	85.2	86.5	86.5	86.5	86.5	86.5
≥ 1000	11.6	27.7	33.6	42.6	60.0	67.7	74.8	85.8	86.5	87.7	87.7	87.7	87.7	87.7
≥ 900	11.6	27.7	33.6	42.6	60.0	68.4	75.5	86.5	87.1	88.4	88.4	88.4	88.4	88.4
≥ 800	11.6	27.7	33.6	42.6	60.7	69.0	76.8	87.7	88.4	89.7	89.7	89.7	89.7	89.7
≥ 700	11.6	27.7	33.6	42.6	60.7	69.0	76.8	88.4	89.0	90.3	90.3	90.3	90.3	90.3
≥ 600	11.6	27.7	33.6	42.6	60.7	69.7	77.4	89.0	89.7	91.0	91.0	91.0	91.0	91.0
≥ 500	11.6	27.7	33.6	42.6	60.7	69.7	77.4	89.7	90.3	92.3	92.3	92.3	92.3	92.3
≥ 400	11.6	27.7	33.6	42.6	60.7	69.7	77.4	91.0	91.6	94.2	94.8	94.8	94.8	94.8
≥ 300	11.6	27.7	33.6	42.6	60.7	69.7	77.4	91.0	91.6	94.8	95.5	96.1	96.1	96.1
≥ 200	11.6	27.7	33.6	42.6	60.7	69.7	77.4	91.6	92.3	96.1	96.8	97.4	97.4	97.4
≥ 100	11.6	27.7	33.6	42.6	60.7	69.7	77.4	91.6	92.3	96.1	96.8	97.4	97.4	97.4
0	11.6	27.7	33.6	42.6	60.7	69.7	77.4	91.6	92.3	96.1	96.8	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

155

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

23110  
STATION

LENDORE, CALIFORNIA  
STATION NAME

73-77

YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	9.0	18.1	21.9	27.7	40.0	44.5	49.0	53.6	54.2	57.4	58.1	58.7	58.7
≥ 20000	9.7	18.7	22.6	28.4	41.3	46.5	51.6	56.8	57.4	60.7	61.3	61.9	61.9
≥ 18000	9.7	18.7	22.6	28.4	41.3	46.5	51.6	56.8	57.4	60.7	61.3	61.9	61.9
≥ 16000	9.7	18.7	22.6	28.4	41.3	46.5	51.6	56.8	57.4	60.7	61.3	61.9	61.9
≥ 14000	9.7	18.7	22.6	28.4	41.3	46.5	51.6	56.8	57.4	60.7	61.3	61.9	61.9
≥ 12000	9.7	18.7	22.6	28.4	41.3	46.5	51.6	56.8	57.4	60.7	61.3	61.9	61.9
≥ 10000	9.7	18.7	22.6	28.4	41.3	46.5	51.6	56.8	57.4	60.7	61.3	61.9	61.9
≥ 9000	9.7	18.7	22.6	28.4	41.3	46.5	51.6	56.8	57.4	60.7	61.3	61.9	61.9
≥ 8000	9.7	18.7	22.6	28.4	41.3	46.5	51.6	56.8	57.4	60.7	61.3	61.9	61.9
≥ 7000	9.7	18.7	22.6	28.4	41.3	46.5	51.6	56.8	57.4	60.7	61.3	61.9	61.9
≥ 6000	9.7	18.7	22.6	28.4	41.3	46.5	51.6	56.8	57.4	60.7	61.3	61.9	61.9
≥ 5000	9.7	18.7	22.6	28.4	41.3	46.5	51.6	56.8	57.4	60.7	61.3	61.9	61.9
≥ 4500	9.7	18.7	22.6	28.4	41.3	46.5	51.6	56.8	57.4	60.7	61.3	61.9	61.9
≥ 4000	9.7	18.7	22.6	28.4	41.3	46.5	51.6	56.8	57.4	60.7	61.3	61.9	61.9
≥ 3500	9.7	18.7	22.6	28.4	41.3	46.5	51.6	56.8	57.4	60.7	61.3	61.9	61.9
≥ 3000	9.7	18.7	22.6	28.4	41.3	46.5	51.6	56.8	57.4	60.7	61.3	61.9	61.9
≥ 2500	9.7	18.7	22.6	28.4	41.3	46.5	51.6	56.8	57.4	60.7	61.3	61.9	61.9
≥ 2000	9.7	18.7	22.6	28.4	41.3	46.5	51.6	56.8	57.4	60.7	61.3	61.9	61.9
≥ 1800	9.7	18.7	22.6	28.4	41.3	46.5	51.6	56.8	57.4	60.7	61.3	61.9	61.9
≥ 1500	9.7	18.7	22.6	28.4	41.3	46.5	51.6	56.8	57.4	60.7	61.3	61.9	61.9
≥ 1200	9.7	18.7	22.6	28.4	41.3	46.5	51.6	56.8	57.4	60.7	61.3	61.9	61.9
≥ 1000	9.7	18.7	22.6	28.4	41.3	46.5	51.6	56.8	57.4	60.7	61.3	61.9	61.9
≥ 900	9.7	18.7	22.6	28.4	41.3	46.5	51.6	56.8	57.4	60.7	61.3	61.9	61.9
≥ 800	9.7	18.7	22.6	28.4	41.3	46.5	51.6	56.8	57.4	60.7	61.3	61.9	61.9
≥ 700	9.7	18.7	22.6	28.4	41.3	46.5	51.6	56.8	57.4	60.7	61.3	61.9	61.9
≥ 600	9.7	18.7	22.6	28.4	41.3	46.5	51.6	56.8	57.4	60.7	61.3	61.9	61.9
≥ 500	9.7	18.7	22.6	28.4	41.3	46.5	51.6	56.8	57.4	60.7	61.3	61.9	61.9
≥ 400	9.7	18.7	22.6	28.4	41.3	46.5	51.6	56.8	57.4	60.7	61.3	61.9	61.9
≥ 300	9.7	18.7	22.6	28.4	41.3	46.5	51.6	56.8	57.4	60.7	61.3	61.9	61.9
≥ 200	9.7	18.7	22.6	28.4	41.3	46.5	51.6	56.8	57.4	60.7	61.3	61.9	61.9
≥ 100	9.7	18.7	22.6	28.4	41.3	46.5	51.6	56.8	57.4	60.7	61.3	61.9	61.9
0	9.7	18.7	22.6	28.4	41.3	46.5	51.6	56.8	57.4	60.7	61.3	61.9	61.9

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS



# CEILING VERSUS VISIBILITY

WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

LAUREL, CALIFORNIA  
STATION NAME

73-77

YEAR

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	8.7	15.7	19.3	22.9	30.3	35.8	41.4	45.8	46.1	48.3	49.0	49.0	50.2
≥ 20000	9.1	16.3	19.9	23.6	31.5	37.3	43.5	48.7	49.0	51.9	52.7	52.7	54.1
18000	9.1	16.3	19.9	23.6	31.6	37.3	43.6	48.8	49.1	52.0	52.8	52.8	54.2
16000	9.2	16.4	20.0	23.7	31.8	37.5	43.7	49.0	49.4	52.3	53.1	53.1	54.4
14000	9.3	16.7	20.5	24.2	32.3	38.0	44.3	49.8	50.1	53.0	53.8	53.8	55.2
12000	9.6	17.5	21.6	25.4	33.8	39.5	45.9	51.5	51.9	54.8	55.6	55.6	56.9
10000	9.8	18.6	22.7	26.5	35.0	40.7	47.2	52.8	53.2	56.1	57.0	57.0	58.5
9000	10.0	18.8	22.9	26.8	35.3	41.1	47.5	53.2	53.6	56.5	57.3	57.3	58.8
8000	10.6	19.6	24.0	27.8	36.4	42.1	48.6	54.3	54.7	57.6	58.5	58.5	59.9
7000	11.0	20.3	24.8	28.6	37.3	43.0	49.6	55.2	55.7	58.6	59.4	59.4	60.9
6000	11.1	20.6	25.2	29.2	37.9	43.6	50.4	56.1	56.5	59.4	60.2	60.2	61.7
5000	11.3	21.4	26.4	30.4	39.1	44.9	51.9	57.7	58.1	61.5	62.3	62.3	63.8
4500	11.4	21.6	26.6	30.7	39.4	45.2	52.3	58.1	58.5	61.9	62.7	62.7	64.2
4000	11.4	21.8	26.9	30.9	39.6	45.5	52.6	58.5	58.9	62.3	63.2	63.2	64.6
3500	11.6	22.1	27.3	31.4	40.1	46.0	53.1	59.0	59.4	62.7	63.6	63.6	65.1
3000	11.6	22.5	27.7	31.9	40.6	46.5	53.6	59.4	59.8	63.2	64.1	64.1	65.6
2500	11.6	23.0	28.2	32.4	41.2	47.1	54.3	60.6	61.1	64.6	65.5	65.5	66.9
2000	11.8	24.0	29.6	34.0	43.2	49.1	56.3	62.7	63.2	66.8	67.7	67.7	69.1
1800	11.8	24.2	29.9	34.2	43.3	49.3	56.5	62.9	63.4	67.1	68.0	68.0	69.4
1500	11.9	24.6	30.7	35.4	45.0	51.1	58.3	65.2	65.7	69.4	70.3	70.3	71.8
1200	11.9	25.0	31.2	35.9	45.6	51.7	58.9	66.0	66.5	70.2	71.2	71.2	72.7
1000	11.9	25.2	31.5	36.3	46.3	52.6	59.9	67.4	67.9	71.6	72.7	72.7	74.3
900	11.9	25.2	31.5	36.3	46.4	52.9	60.2	67.7	68.2	71.9	73.0	73.0	74.6
800	11.9	25.2	31.5	36.3	46.6	53.2	60.7	68.4	68.9	72.6	73.6	73.6	75.3
700	12.0	25.3	31.7	36.5	46.8	53.6	61.2	69.2	69.7	73.6	74.7	74.7	76.4
600	12.0	25.4	31.8	36.5	46.9	53.8	61.7	69.9	70.6	74.4	75.7	75.7	77.4
500	12.0	25.4	31.9	36.6	47.1	54.0	62.2	71.1	71.7	75.7	77.2	77.2	79.0
400	12.0	25.4	31.9	36.7	47.2	54.2	62.7	71.9	72.5	76.9	78.5	78.5	80.2
300	12.0	25.4	31.9	36.9	47.3	54.4	63.0	72.4	73.1	78.0	80.0	80.0	82.2
200	12.0	25.4	31.9	36.9	47.4	54.4	63.2	72.9	73.6	79.2	82.2	82.2	85.4
100	12.0	25.4	31.9	36.9	47.4	54.4	63.2	73.1	73.7	79.4	82.7	83.0	86.6
0	12.0	25.4	31.9	36.9	47.4	54.4	63.2	73.1	73.7	79.4	82.7	83.0	87.3

TOTAL NUMBER OF OBSERVATIONS

1240



# CEILING VERSUS VISIBILITY

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

YEARS

ALL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	51.1	63.7	66.4	68.6	71.1	72.1	73.4	74.2	74.2	74.7	74.8	75.1	75.1	75.2	75.5
≥ 18000	53.3	66.7	69.7	72.1	74.7	75.9	77.3	78.2	78.2	78.8	79.0	79.2	79.3	79.4	79.8
≥ 16000	53.4	66.8	69.8	72.2	74.8	76.0	77.4	78.3	78.4	78.9	79.1	79.4	79.4	79.5	79.9
≥ 14000	53.4	66.9	69.8	72.2	74.9	76.1	77.5	78.4	78.4	79.0	79.2	79.5	79.5	79.6	80.0
≥ 12000	54.0	67.6	70.7	73.1	75.8	77.0	78.4	79.3	79.4	80.0	80.1	80.4	80.4	80.6	80.9
≥ 10000	54.7	68.7	71.8	74.3	77.0	78.3	79.7	80.7	81.3	81.5	81.5	81.8	81.8	81.9	82.3
≥ 9000	55.9	70.4	73.6	76.1	78.9	80.2	81.7	82.7	83.3	83.5	83.8	83.8	83.8	84.0	84.3
≥ 8000	56.0	70.6	73.8	76.4	79.2	80.5	82.0	82.9	83.0	83.6	83.8	84.1	84.1	84.3	84.6
≥ 7000	56.8	71.8	75.1	77.7	80.5	81.8	83.3	84.3	84.4	85.0	85.2	85.5	85.5	85.7	86.1
≥ 6000	57.1	72.4	75.7	78.3	81.2	82.5	84.0	85.1	85.1	85.7	86.0	86.2	86.3	86.4	86.8
≥ 5000	57.3	72.7	76.1	78.8	81.7	83.0	84.5	85.5	85.6	86.2	86.5	86.8	86.8	86.9	87.3
4500	58.1	73.8	77.3	79.9	82.9	84.2	85.8	86.8	86.9	87.6	87.8	88.1	88.1	88.3	88.6
4000	58.4	74.3	77.8	80.5	83.5	84.8	86.4	87.4	87.5	88.2	88.4	88.7	88.7	88.9	89.3
3500	58.9	75.1	78.6	81.3	84.3	85.7	87.3	88.3	88.4	89.1	89.3	89.4	89.6	89.8	90.2
3000	59.3	75.8	79.3	82.0	85.0	86.4	88.0	89.1	89.1	89.8	90.1	90.1	90.4	90.6	90.9
2500	59.9	76.8	80.4	83.1	86.1	87.5	89.2	90.2	90.3	91.0	91.2	91.5	91.6	91.7	92.1
2000	60.2	77.3	80.9	83.6	86.6	88.2	89.9	91.0	91.1	91.8	92.0	92.1	92.4	92.5	92.9
1800	60.4	77.6	81.4	84.2	87.4	88.8	90.6	91.7	91.8	92.5	92.8	92.9	93.1	93.3	93.6
1500	60.4	77.7	81.5	84.3	87.5	88.9	90.7	91.9	91.9	92.6	92.9	93.2	93.2	93.4	93.8
1200	60.4	77.9	81.8	84.6	88.0	89.4	91.3	92.5	92.5	93.3	93.5	93.6	93.8	94.0	94.4
1000	60.5	77.9	81.8	84.8	88.2	89.7	91.5	92.7	92.8	93.5	93.8	93.9	94.1	94.2	94.7
900	60.5	77.9	81.9	84.8	88.3	89.9	91.8	93.1	93.2	93.9	94.2	94.5	94.5	94.7	95.1
800	60.5	78.0	82.0	84.9	88.4	90.0	92.0	93.4	93.4	94.2	94.5	94.8	94.8	95.0	95.5
700	60.5	78.0	82.0	85.0	88.6	90.2	92.3	93.7	93.8	94.6	94.9	95.2	95.2	95.4	95.8
600	60.5	78.0	82.0	85.0	88.6	90.3	92.5	94.0	94.1	94.9	95.2	95.5	95.5	95.7	96.1
500	60.5	78.0	82.1	85.0	88.7	90.4	92.6	94.3	94.4	95.2	95.6	95.9	95.9	96.1	96.5
400	60.5	78.0	82.1	85.0	88.7	90.5	92.8	94.5	94.6	95.4	95.8	96.1	96.2	96.3	96.7
300	60.5	78.0	82.1	85.0	88.7	90.5	92.8	94.6	94.8	95.7	96.2	96.5	96.5	96.7	97.1
200	60.5	78.0	82.1	85.0	88.7	90.5	92.9	94.7	94.8	95.9	96.5	96.5	97.0	97.2	97.6
100	60.5	78.0	82.1	85.0	88.7	90.5	92.9	94.9	94.9	96.0	96.6	96.6	97.3	97.6	98.3
0	60.5	78.0	82.1	85.0	88.7	90.5	92.9	94.7	94.9	96.0	96.6	96.6	97.4	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS

14607

**MONTH**  
**JAN**

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	01	29.0	.6	4.5	6.5	4.5	1.9	6.5	1.3	5.2	2.6	37.4	5.4	155
	04	24.5		5.2	4.5	3.2	3.9	2.6	4.5	5.2	3.2	42.2	6.1	155
	07	14.8	3.2	3.2	9.7	3.2	3.9	3.2	2.6	5.2	5.8	45.2	6.5	155
	10	13.5	3.9	5.8	3.2	3.9	1.9	1.3	3.9	7.1	5.8	49.7	6.9	155
	13	14.2	3.2	5.8	5.2	2.6	2.6	3.9	7.7	8.4	8.4	38.1	6.5	155
	16	11.0	3.2	6.5	7.7	6.5	3.9	2.6	7.7	12.3	8.4	30.3	6.3	155
	19	22.6	3.2	7.1	3.9	7.1	5.2	4.5	2.6	9.7	3.2	31.0	5.4	155
	22	27.7	4.5	4.5	5.2	3.9	2.6	5.2	3.9	4.5	1.3	36.8	5.3	155
TOTALS		19.7	2.7	5.3	5.7	4.4	3.2	3.7	4.3	7.2	4.8	39.0	6.1	1240

73-77

PERIOD

**MONTH**

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	01	39.0		8.5	7.8	2.8	1.4	2.8	3.5	3.5	3.5	27.0	4.3	141
	04	36.2	1.4	4.3	5.7	3.5		4.3	5.7	5.7	2.1	31.2	4.8	141
	07	13.5	5.7	7.8	7.1	7.1	5.7	2.8	4.3	10.6	7.8	27.7	5.8	141
	10	16.3	5.0	3.5	4.3	1.4	8.5	3.5	9.2	7.8	5.0	35.5	6.2	141
	13	13.5	6.4	2.1	5.0	7.1	9.9	1.4	4.3	15.6	7.8	27.0	6.1	141
	16	12.8	3.5	8.5	9.2	3.5	6.4	3.5	5.7	10.6	10.6	25.5	5.9	141
	19	19.9	8.5	7.1	9.9	4.3	5.7	2.8	6.4	9.9	3.5	22.0	4.9	141
	22	34.8	.7	9.9	6.4	7.8	2.8	2.8	5.7	7.1	5.0	17.0	4.1	141
TOTALS		23.3	3.9	6.5	6.9	4.7	5.1	3.0	5.6	8.9	5.7	26.6	5.3	1128



MAR  
MONTH

**PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAR	01	43.2	1.9	4.5	5.2	8.4	.6	3.2	3.9	4.5	1.3	23.2	3.9	155
	04	40.6	1.3	8.4	4.5	5.8	3.2	3.2	3.9	5.2	3.9	20.0	3.9	155
	07	17.4	6.5	10.3	5.8	7.7	3.9	3.9	3.2	9.7	11.0	20.6	5.2	155
	10	18.1	7.7	5.8	11.6	4.5	2.6	4.5	3.9	12.9	7.1	21.3	5.2	155
	13	14.2	4.5	3.2	4.5	6.5	3.2	5.2	8.4	12.9	14.2	23.2	6.2	155
	16	12.9	5.2	4.5	7.7	5.8	4.5	5.2	7.1	11.0	12.3	23.9	6.0	155
	19	18.7	7.7	8.4	9.7	3.9	4.5	5.8	7.1	14.2	7.1	12.9	4.8	155
	22	38.7	3.2	7.1	8.4	4.5	3.9	2.6	10.3	2.6	1.3	17.4	3.7	155
TOTALS		255	4.8	6.5	7.2	5.8	3.3	4.2	6.0	9.1	7.3	20.3	4.9	1240

# SKY COVER

5704 SKY COVER JAN 68

APR  
MONTH

PERIOD

73-77

23110 LEMORE, CALIFORNIA  
STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
APR	01	59.3	2.0	2.0	5.3	4.0	2.7	2.0	3.3	6.0	2.7	10.7	2.7	150
	04	58.0	4.0	6.7	2.7	4.0	2.0	2.0	5.3	5.3	.7	9.3	2.4	150
	07	64.0	9.3	5.3	2.0	4.7	3.3	2.7	4.7	4.0	8.7	11.3	3.3	150
	10	39.3	7.3	6.0	6.7	2.7	1.3	2.7	7.3	7.3	5.3	14.0	3.7	150
	13	30.7	6.7	6.7	6.7	4.0	4.7	5.3	8.0	9.3	5.3	12.7	4.2	150
	16	32.0	7.3	6.7	4.0	6.7	4.7	4.7	6.7	10.7	4.7	12.0	4.0	150
	19	33.3	9.3	13.3	8.0	6.0	4.7	2.0	3.3	7.3	4.0	8.7	3.2	150
	22	54.7	4.7	4.7	7.3	2.7	2.7	4.0	4.0	6.0	2.7	6.7	2.5	150
TOTALS		43.9	6.3	6.4	5.3	4.4	3.3	3.2	5.3	7.0	4.3	10.7	3.3	1200

# SKY COVER

23110 LEMOORE, CALIFORNIA 73-77 MAY MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
MAY	01	73.5	1.3	4.5	4.5	2.6	1.3	1.3	2.6	1.3		7.1	155
	04	70.3	1.9	2.6	5.8	5.2	1.3	3.2	1.3	1.9	1.3	5.2	155
	07	50.3	9.0	9.0	5.2	4.5	1.3	1.9	5.2	3.2	2.6	7.7	155
	10	51.0	8.4	7.1	3.9	1.9	2.6	4.5	3.2	3.9	5.2	8.4	155
	13	46.5	7.1	5.2	5.2	1.9	4.5	4.5	7.1	7.7	3.9	6.5	155
	16	38.7	9.0	7.7	3.9	3.2	3.9	4.5	5.2	11.0	6.5	6.5	155
	19	36.1	9.0	9.7	5.2	6.5	5.8	4.5	8.4	3.2	3.9	7.7	155
	22	63.2	3.2	6.5	7.7	4.5	1.9	1.3	1.3	2.6	1.3	6.5	155
TOTALS		53.7	6.1	6.5	5.2	3.8	2.8	3.2	4.3	4.4	3.1	7.0	1240



## SKY COVER

23110 STATION LEHDORF, CALIFORNIA 73-77 PERIOD JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	01	74.0		2.7	6.0	3.3	1.3	4.0	1.3	3.3		4.0	1.4	150
	04	69.3	4.7	2.7	6.7	2.7	1.3	3.3	.7	4.0	.7	4.0	1.5	150
	07	57.3	4.7	6.7	7.3	2.7	2.7	2.7	4.7	5.3	2.0	4.0	2.1	150
	10	58.0	4.0	6.7	6.0	2.0	1.3	4.0	4.0	6.0	3.3	4.7	2.3	150
	13	49.3	10.0	5.3	9.3	2.0	2.0	3.3	4.7	6.0	1.3	6.7	2.5	150
	16	47.3	8.0	5.3	10.0	6.0	2.0	3.3	1.3	5.3	5.3	6.0	2.6	150
	19	52.0	6.7	3.3	8.0		2.0	6.7	8.0	3.3	4.7	5.3	2.7	150
	22	68.7	.7	4.7	4.7	2.7	2.0	2.0	5.3	4.0	.7	4.7	1.8	150
TOTALS		59.5	4.9	4.7	7.3	2.7	1.8	3.7	3.8	4.7	2.3	4.9	2.1	1200

PERIOD

MONTH

5704 SKY COVER JAN 68

NAVWEASERVCOM

# SKY COVER

5704 SKY COVER JAN 68

23110 LEMORE, CALIFORNIA 73-77 AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	01	78.7	1.9	4.5	1.3	.6	2.6	1.3	1.3	3.2	1.9	2.6	1.2	155
	04	79.4	1.9	2.6	2.6	3.9	1.3	.6	.6	2.6	1.3	3.2	1.1	155
	07	61.9	7.1	7.1	3.9	4.5	1.3	1.3	3.2	3.9	1.9	3.9	1.7	155
	10	62.6	6.5	4.5	2.6	5.8	1.9	3.2	2.6	1.9	3.2	5.2	1.9	155
	13	63.2	4.5	2.6	5.2	2.6	3.2	4.5	3.9	3.9	3.9	2.6	2.0	155
	16	63.2	3.9	7.1	5.8	3.9	2.6	1.3	1.9	1.9	4.5	3.9	1.8	155
	19	62.6	9.0	3.9	5.2	3.9	2.6	1.9	3.2	1.9	3.9	1.9	1.6	155
	22	75.5	3.2	5.8	4.5	.6		.6	1.9	2.6	1.9	3.2	1.2	155
TOTALS		68.4	4.8	4.8	3.9	3.2	1.9	1.8	2.3	2.7	2.8	3.3	1.6	1240



**SEP**  
**MONTH**

**PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SEP	01	74.7	2.7	4.0	4.0	2.7	.7	2.0	2.7	3.3	.7	2.7	1.3	150
	04	74.0	2.7	4.0	4.0	4.0	1.3	1.3	1.3	1.3	1.3	4.7	1.3	150
	07	62.7	6.7	4.7	2.7	3.3	2.7	2.7	1.3	4.7	3.3	5.3	2.0	150
	10	64.7	5.3	3.3	2.7	1.3	4.7	1.3	3.3	6.0	4.0	3.3	2.0	150
	13	62.0	6.7	3.3	4.0	2.0	3.3	4.0	2.7	4.0	4.0	4.0	2.0	150
	16	62.7	3.3	3.3	4.7	4.0	3.3	5.3	3.3	2.0	3.3	4.7	2.0	150
	19	65.3	6.0	4.0	6.0	2.7	2.7	2.7	4.7	2.7		3.3	1.6	150
	22	76.0	2.7	4.0	2.7	2.0	1.3	1.3	3.3	3.3		3.3	1.2	150
TOTALS		67.8	4.5	3.8	3.9	2.8	2.5	2.6	2.8	3.4	2.1	2.9	1.7	1200

# SKY COVER

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

PERIOD

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
OCT	01	64.5	1.9	5.2	5.2	1.9	3.9	1.9	3.2	.6	1.3	10.3	2.1 155
	04	64.5	1.9	6.5	5.8	3.9	2.6	.6	.6	2.6	2.6	8.4	2.0 155
	07	45.2	7.1	7.7	9.7	3.9	2.6	3.2	3.9	5.2	4.5	7.1	2.8 155
	10	49.7	6.5	3.9	2.6	4.5	5.2	3.2	5.2	7.7	5.8	5.8	2.9 155
	13	49.0	3.2	7.1	7.1	1.9	3.2	1.9	3.2	7.7	6.4	7.1	3.1 155
	16	49.7	5.2	6.5	1.9	3.2	3.2	3.2	6.5	5.2	7.7	7.7	3.1 155
	19	51.6	9.0	5.8	3.9	1.9	1.3	6.5	4.5	5.2	4.5	5.8	2.6 155
	22	59.4	5.2	1.9	3.9	5.2	2.6	5.2	3.9	3.2	1.3	8.4	2.3 155
TOTALS		54.2	5.0	5.6	5.0	3.3	3.1	3.2	3.9	4.7	4.5	7.6	2.6 1240

## SKY COVER

23110 LEMOORE, CALIFORNIA

STATION NAME

73-77

PERIOD

NOV

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
NOV	01	44.7	2.7	4.7	5.3	3.3	4.7		3.3	8.0	.7	22.7	3.8 150
	04	40.0	4.7	4.7	6.0	6.7	2.0	2.7	2.7	2.0	4.0	24.7	4.0 150
	07	22.0	2.7	6.0	7.3	6.0	2.7	4.0	4.0	10.0	12.0	23.3	5.5 150
	10	22.7	3.3	7.3	6.0	5.3	6.0	5.3	2.7	7.3	9.3	24.7	5.3 150
	13	26.7	6.0	6.7	6.0	5.3	1.3	2.7	4.0	10.7	8.7	22.0	4.9 150
	16	28.0	6.7	5.3	4.0	1.3	6.0	4.7	5.3	8.7	6.7	23.3	4.9 150
	19	36.7	2.0	4.0	5.3	7.3	4.7	3.3	8.0	5.3	6.7	16.7	4.2 150
	22	44.0	3.3	6.7	2.7	7.3	4.0	2.0	2.0	3.3	5.3	19.3	3.7 150
TOTALS		33.1	3.9	5.7	5.3	5.3	3.9	3.1	4.0	6.9	6.7	22.1	4.5 1200





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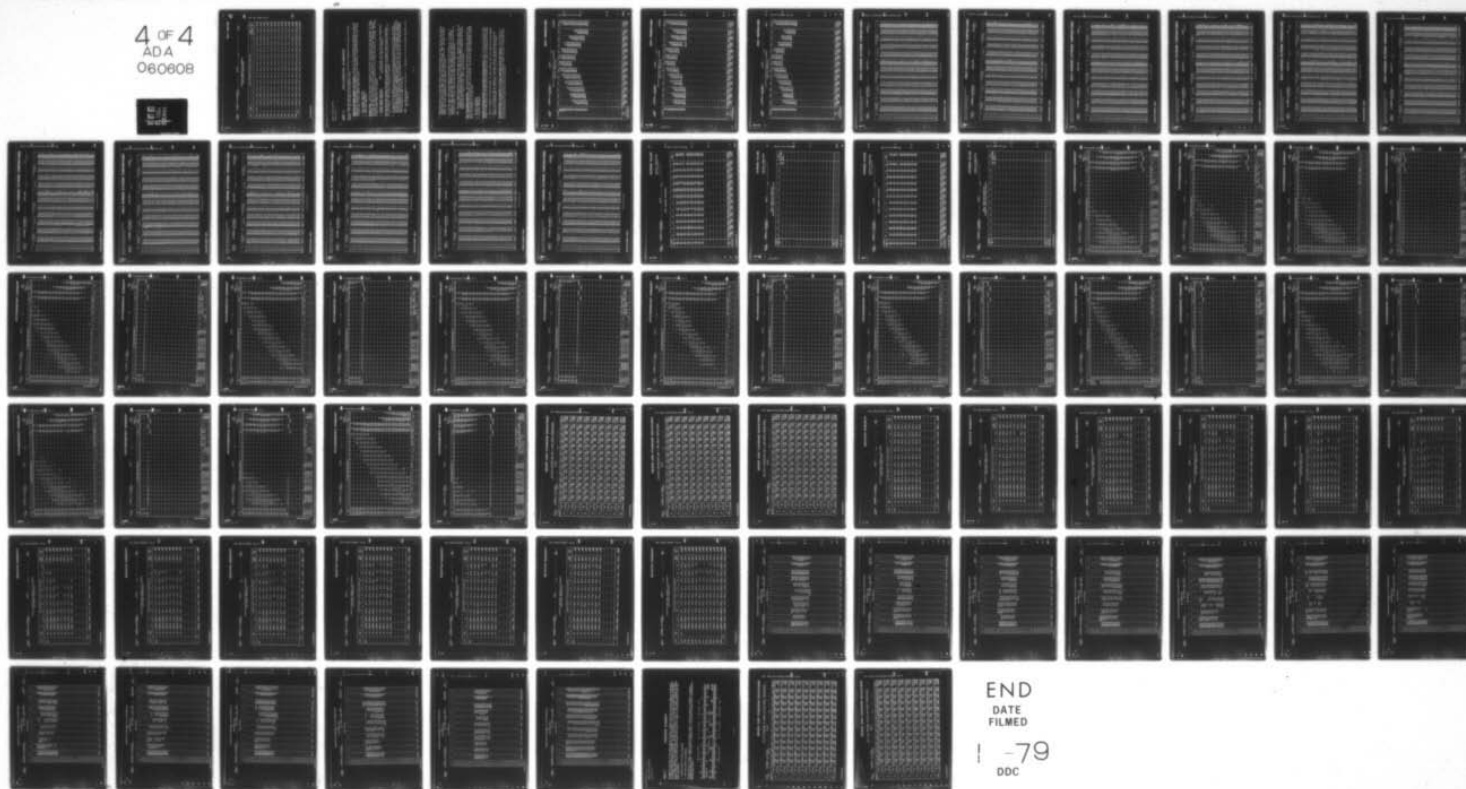
NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C  
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS), LEMOORE--ETC(U)  
JUL 78

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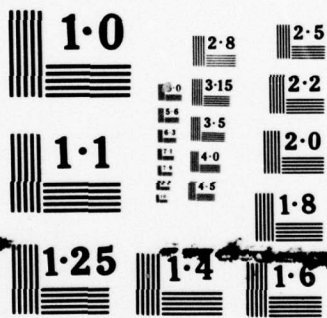
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NATIONAL BUREAU OF STANDARDS



# SKY COVER

22110 LEMORE, CALIFORNIA  
STATION NAME

73-77

PERIOD

ALL MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
JAN	ALL	19.7	2.7	5.3	5.7	4.4	3.2	3.7	4.3	7.2	4.8	39.0	6.1 1240
FEB		23.3	3.9	6.5	6.9	4.7	5.1	3.0	5.6	8.9	5.7	26.6	5.3 1128
MAR		25.5	4.8	6.5	7.2	5.9	3.3	4.2	6.0	9.1	7.3	20.3	4.9 1240
APR		43.9	6.3	6.4	5.3	4.4	3.3	3.2	5.3	7.0	4.3	10.7	3.3 1200
MAY		53.7	6.1	6.5	5.2	3.8	2.8	3.2	4.3	4.4	3.1	7.0	2.5 1240
JUN		59.5	4.9	4.7	7.3	2.7	1.8	3.7	3.8	4.7	2.3	4.9	2.1 1200
JUL		76.7	3.3	4.7	2.9	2.2	1.6	1.3	2.7	1.8	1.2	1.4	1.1 1240
AUG		68.4	4.8	4.8	3.9	3.2	1.9	1.8	2.3	2.7	2.8	3.3	1.6 1240
SEP		67.5	4.5	3.8	3.9	2.8	2.5	2.6	2.8	3.4	2.1	3.9	1.7 1200
OCT		54.2	5.0	5.6	5.0	3.3	3.1	3.2	3.9	4.7	4.5	7.6	2.6 1240
NOV		33.1	3.9	5.7	5.3	5.3	3.9	3.1	4.0	6.9	6.7	22.1	4.5 1200
DEC		21.9	3.4	4.5	4.9	4.9	3.5	4.0	3.6	5.4	4.9	39.2	5.9 1240
TOTALS		45.6	4.5	5.4	5.3	4.0	3.0	3.1	4.1	5.5	4.1	15.5	3.5 14608

## PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:

- a. Daily maximum temperature
- b. Daily minimum temperature
- c. Daily mean temperature

2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:

- a. Extreme maximum temperature
- b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.



b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma x$ ). The number of observations used in the computations for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).



# DAILY TEMPERATURES

23110 STATION LEMOORE, CALIFORNIA 66-77 YEARS  
 CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM DAILY OBSERVATIONS) MAXIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
110						1.7	3.0	1.1					.5
105					.8	9.2	18.3	11.6	2.5				3.6
100					6.5	27.2	55.9	43.5	12.5				12.3
95				1.1	19.1	50.3	83.1	71.2	37.5	2.7			22.3
90			.3	6.1	35.5	66.1	94.4	87.1	59.2	13.2			30.4
85			2.4	16.1	57.3	82.8	98.9	94.9	82.5	28.8	.6		38.9
80		1.2	8.1	30.6	72.6	94.7	100.0	99.2	93.9	54.3	5.6		46.9
75	.3	6.2	22.0	49.7	85.2	98.9		99.7	99.4	72.8	16.7		54.3
70	2.4	19.2	41.9	70.0	94.4	99.7		100.0	99.7	88.7	30.3	.5	62.4
65	12.9	37.8	65.3	85.6	98.7	100.0			100.0	97.3	53.6	5.7	71.5
60	28.0	66.4	85.8	96.9	99.5					99.5	76.7	23.7	81.4
55	50.8	86.7	96.5	99.4	100.0					100.0	93.3	52.8	89.5
50	72.3	98.2	99.5	100.0							98.6	78.7	95.5
45	88.2	99.7	100.0								100.0	93.5	98.4
40	97.8	100.0										99.7	99.8
35	100.0											100.0	100.0
30													
25													
20													
15													
10													
5													
0													
MEAN	54.6	62.6	68.1	74.7	85.5	93.6	99.7	97.5	91.3	79.7	65.6	54.7	77.3
S. D.	7.866	7.339	8.042	9.059	9.686	8.512	5.615	6.720	7.208	8.097	7.972	6.371	17.432
TOTAL OBS.	372	359	372	360	372	360	372	372	360	372	360	371	4382

**YEARS**

## DAILY TEMPERATURES

# MINIMUM

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)**

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
75							1.6	1.3	.3				.3
70						3.9	12.9	10.8	2.5				2.5
65					.8	14.7	38.4	27.4	10.8	.3			7.8
60				.3	6.9	41.4	73.1	66.1	26.9	4.0	.3		19.4
55			.8	1.4	26.9	71.9	93.5	91.1	70.3	17.5	1.4	.3	31.5
50		.3	7.3	8.6	61.8	93.9	100.0	99.2	90.3	43.4	8.9	3.0	44.2
45	4.0	5.3	23.4	35.0	86.8	99.2		100.0	98.6	72.6	30.8	10.2	57.4
40	10.2	19.2	51.1	70.6	97.3	100.0			100.0	91.7	54.7	26.7	72.5
35	27.7	49.3	81.5	93.6	99.7					97.8	78.1	51.6	85.6
30	50.0	74.0	96.8	100.0	100.0					99.7	91.7	80.1	95.0
25	77.7	93.8	99.5								99.2	94.3	98.7
20	92.2	99.4	100.0							100.0	100.0	100.0	100.0
15	100.0	100.0	100.0										
10													
5													
0													
-5													
-10													
-15													
-20													
-25													
-30													
-35													
-40													
-45													
-50													
-55													
-60													
-65													
-70													
-75													
-80													
-85													
-90													
-95													
-100													
MEAN	35.0	39.1	40.0	42.4	51.2	58.3	62.9	61.7	57.4	48.4	40.2	35.3	47.7
S. D.	7.109	6.245	6.071	5.217	5.845	5.886	5.551	5.479	5.826	6.600	7.162	6.949	11.713
TOTAL OBS.	372	339	372	360	372	360	372	372	360	372	360	371	4382

NAVWEASERVCOM



## DAILY TEMPERATURES

**STATION**  
**23110**

STATION NAME
LEMOORE, CALIFORNIA

STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE
STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE

66-77

YEARS

NAME \_\_\_\_\_

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

[illegible]

NAVWEASERVCOM



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

23110

LEMOORE, CALIFORNIA

1962-1977

JANUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		DATE		AVERAGE		MINIMUM TEMP		EXTREME		DATE	
	° F	° C	° F	° C	° F	° C	° F	° C	DATE	DATE	° F	° C	° F	° C	° F	° C	DATE	DATE
1	39.3	4.1	47.6	8.7	56	13.3	13.3	1977	1977	1977	31.0	-0.6	22	-5.6	1976	1976	1976	1976
2	40.4	4.7	49.4	9.7	58	14.4	14.4	1973*	1973*	1973*	31.4	-0.3	20	-6.7	1976	1976	1976	1976
3	40.9	4.9	49.4	9.7	57	13.9	13.9	1975	1975	1975	32.4	0.2	23	-5.0	1970	1970	1970	1970
4	40.4	4.7	50.1	10.1	58	14.4	14.4	1975*	1975*	1975*	30.7	-0.7	20	-6.7	1970	1970	1970	1970
5	41.7	5.4	51.3	10.7	62	16.7	16.7	1966	1966	1966	32.0	0.0	22	-5.6	1973	1973	1973	1973
6	41.1	5.1	51.5	10.8	64	17.8	17.8	1963	1963	1963	30.7	-0.7	20	-6.7	1970	1970	1970	1970
7	41.5	5.3	51.4	10.8	64	17.8	17.8	1975	1975	1975	31.6	-0.2	20	-6.7	1973	1973	1973	1973
8	43.1	6.2	52.6	11.4	65	18.3	18.3	1963	1963	1963	33.7	0.9	25	-3.9	1971	1971	1971	1971
9	43.3	6.3	53.0	11.7	68	20.0	20.0	1963	1963	1963	33.6	0.9	24	-4.4	1964	1964	1964	1964
10	44.2	6.8	53.2	11.8	66	18.9	18.9	1967	1967	1967	35.2	1.8	29	-1.7	1971	1971	1971	1971
11	43.6	6.4	52.7	11.5	65	18.3	18.3	1967	1967	1967	34.5	1.4	24	-4.4	1964	1964	1964	1964
12	44.8	7.1	54.3	12.4	69	20.6	20.6	1973	1973	1973	35.4	1.9	26	-6.7	1963	1963	1963	1963
13	44.8	7.1	54.6	12.6	65	18.3	18.3	1973	1973	1973	35.0	1.7	13	-9.4	1963	1963	1963	1963
14	43.9	6.6	54.3	12.4	64	17.8	17.8	1967	1967	1967	33.4	0.8	18	-7.8	1963	1963	1963	1963
15	45.0	7.2	55.7	13.2	75	23.9	23.9	1974	1974	1974	34.2	1.2	20	-6.7	1963	1963	1963	1963
16	45.2	7.3	55.2	12.9	72	22.2	22.2	1970	1970	1970	35.3	1.8	20	-6.7	1963	1963	1963	1963
17	45.6	7.6	55.4	13.0	69	20.6	20.6	1976	1976	1976	35.8	2.1	20	-6.7	1963	1963	1963	1963
18	45.2	7.3	54.3	12.4	66	18.9	18.9	1971	1971	1971	36.1	2.3	20	-6.7	1963	1963	1963	1963
19	45.8	7.7	54.6	12.6	66	18.9	18.9	1976	1976	1976	37.1	2.8	22	-5.6	1963	1963	1963	1963
20	46.9	8.3	55.9	13.3	70	21.1	21.1	1976	1976	1976	37.9	3.3	19	-7.2	1963	1963	1963	1963
21	47.0	8.3	57.2	14.0	68	20.0	20.0	1970*	1970*	1970*	36.7	2.6	22	-5.6	1963	1963	1963	1963
22	45.9	7.7	57.4	14.1	71	21.7	21.7	1970	1970	1970	34.4	1.3	22	-3.6	1963	1963	1963	1963
23	45.7	7.6	58.6	14.8	74	23.3	23.3	1970	1970	1970	32.9	0.5	14	-10.0	1962	1962	1962	1962
24	45.6	7.6	57.4	14.1	68	20.0	20.0	1975	1975	1975	33.9	1.1	21	-6.1	1962	1962	1962	1962
25	46.2	7.9	58.9	14.9	72	22.2	22.2	1975	1975	1975	35.4	0.8	24	-4.4	1966	1966	1966	1966
26	46.3	7.9	57.1	13.9	66	18.9	18.9	1976*	1976*	1976*	35.6	2.0	29	-1.7	1971	1971	1971	1971
27	44.9	7.2	55.1	12.8	67	19.4	19.4	1976	1976	1976	34.6	1.4	29	-1.7	1968*	1968*	1968*	1968*
28	44.6	7.0	55.2	12.9	71	21.7	21.7	1976	1976	1976	34.0	1.1	24	-4.4	1968	1968	1968	1968
29	45.7	7.6	56.0	13.3	70	21.1	21.1	1976	1976	1976	35.4	1.9	27	-2.8	1970	1970	1970	1970
30	45.8	7.7	54.2	12.3	66	18.9	18.9	1976	1976	1976	37.4	3.0	25	-3.9	1975	1975	1975	1975
31	45.9	7.7	54.4	12.4	72	22.2	22.2	1976	1976	1976	37.4	3.0	28	-2.2	1975	1975	1975	1975
Monthly	44.2	6.8	54.1	12.3	75	23.9	23.9	1974	1974	1974	34.3	1.3	14	-10.0	1962	1962	1962	1962

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1977

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

1962-1977  
YEARS

FEBRUARY  
MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME		
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	46.4	8.0	54.8	12.7	73	22.8	38.1	3.4	29	-1.7	1972*
2	47.1	8.4	56.3	13.5	75	23.9	37.8	3.2	28	-2.2	1972
3	47.2	8.4	58.1	14.5	75	23.9	36.2	2.3	25	-3.9	1972
4	49.0	9.4	58.4	14.7	74	23.3	39.6	4.2	30	-1.1	1971*
5	49.1	9.5	58.2	14.6	78	25.6	40.0	4.4	30	-1.1	1971*
6	49.3	9.6	58.4	14.7	72	22.2	40.1	4.5	33	0.6	1977*
7	49.1	9.5	60.3	15.7	72	22.2	37.9	3.3	28	-2.2	1964
8	50.5	10.3	61.4	16.3	72	22.2	39.6	4.2	29	-1.7	1965*
9	50.5	10.3	59.7	15.4	66	18.9	41.2	5.1	28	-2.2	1964
10	51.2	10.7	61.4	16.3	72	22.2	41.1	5.1	29	-1.7	1965
11	50.5	10.3	61.6	16.4	74	23.3	39.4	4.1	24	-4.4	1965
12	50.7	10.4	62.4	16.9	71	21.7	39.1	3.9	25	-3.9	1965
13	51.0	10.6	62.2	16.8	72	22.2	39.7	4.3	27	-2.8	1966
14	51.2	10.7	63.0	17.2	73	22.8	39.3	4.1	25	-3.9	1966
15	49.9	9.9	62.7	17.1	81	27.2	37.1	2.8	25	-3.9	1964
16	49.6	9.8	62.4	16.9	79	26.1	36.7	2.6	24	-4.4	1966
17	50.2	10.1	63.2	17.3	74	23.3	37.1	2.8	24	-4.4	1964
18	50.4	10.2	64.1	17.8	80	26.7	36.8	2.7	28	-2.2	1964
19	52.0	11.1	64.3	17.9	80	26.7	39.7	4.3	30	-1.1	1964
20	51.6	10.9	64.4	18.0	74	23.3	38.8	3.8	31	-0.6	1964
21	52.1	11.2	66.0	18.9	76	24.4	38.1	3.4	28	-2.2	1971
22	52.2	11.2	65.7	18.7	78	25.6	38.7	3.7	28	-2.2	1975
23	51.9	11.1	64.9	18.3	72	22.2	38.9	3.8	32	0.0	1975*
24	53.0	11.7	67.0	19.4	76	24.4	39.0	3.9	28	-2.2	1965
25	52.6	11.4	66.0	18.9	77	25.0	39.2	4.0	31	-0.6	1977*
26	51.2	10.7	65.4	18.6	75	23.9	37.1	2.8	25	-3.9	1964
27	52.8	11.6	66.5	19.2	79	26.1	39.1	3.9	21	-6.1	1971
28	52.8	11.6	66.6	19.2	80	26.7	39.1	3.9	25	-3.9	1971
29	54.9	12.7	66.2	19.0	76	24.4	43.5	6.4	32	0.0	1964
30											
31											
Monthly	50.6	10.3	62.4	16.9	81	27.2	38.8	3.8	21	-6.1	1971

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



## DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

23110

LEMOORE, CALIFORNIA

1962-1977

MARCH

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP			MINIMUM TEMP		
	AVERAGE °F	AVERAGE °C	AVERAGE °F	EXTREME °F	EXTREME °C	AVERAGE °F	EXTREME °F	EXTREME °C
1	51.8	11.0	64.6	82	27.8	39.1	28	-2.2
2	50.5	10.3	63.1	75	23.9	37.9	22	-3.6
3	49.1	9.5	62.4	76	24.4	35.7	25	-3.9
4	49.9	9.9	63.7	81	27.2	36.1	23	-5.0
5	51.4	10.8	64.9	83	28.3	37.9	28	-2.2
6	51.6	10.9	66.0	83	28.3	37.1	26	-3.3
7	52.2	11.2	65.5	84	28.9	38.9	31	-0.6
8	52.0	11.1	65.2	84	28.9	38.7	25	-3.9
9	52.8	11.6	66.1	78	25.6	39.5	29	-1.7
10	52.3	11.3	63.8	78	25.6	40.9	33	0.6
11	52.9	11.6	65.6	77	25.0	40.2	30	-1.1
12	53.0	11.7	64.8	74	23.3	41.2	35	1.7
13	52.3	11.3	65.5	79	26.1	39.1	28	-2.2
14	51.5	10.8	65.8	78	25.6	37.2	30	-1.1
15	53.6	12.0	68.3	84	28.9	38.8	33	0.6
16	55.6	13.1	69.4	89	31.7	41.8	34	1.1
17	54.7	12.6	68.9	90	32.2	40.5	30	-1.1
18	53.9	12.2	68.3	82	27.8	39.5	30	-1.1
19	53.6	12.0	69.6	79	26.1	37.6	30	-1.1
20	54.5	12.5	70.9	83	28.3	38.1	32	0.0
21	55.2	12.9	70.9	83	28.3	39.6	34	1.1
22	55.4	13.0	70.5	81	27.2	40.2	31	-0.6
23	54.2	12.3	68.2	78	25.6	40.2	33	0.6
24	54.7	12.6	70.0	78	25.6	39.4	33	0.6
25	55.2	12.9	69.4	78	25.6	40.9	31	-0.6
26	55.2	12.9	69.3	79	26.1	41.1	32	0.0
27	56.3	13.5	71.7	80	26.7	40.9	27	-2.8
28	55.7	13.2	71.3	84	28.9	40.0	32	0.0
29	57.0	13.9	73.7	86	30.0	40.4	30	-1.1
30	58.2	14.6	74.2	88	31.1	42.3	30	-1.1
31	56.8	13.8	71.4	89	31.7	42.2	32	0.0
Monthly	53.7	12.1	67.8	90	32.2	39.5	22	-5.6

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

23110  
STATION

LENDORE, CALIFORNIA  
STATION NAME

1962-1977

YEARS

APRIL

MONTH

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	54.4	12.4	68.4	20.2	90	32.2	40.4	4.7	30	-1.1	1967
2	55.1	12.8	70.2	21.2	87	30.6	39.9	4.4	31	-0.6	1963
3	56.0	13.3	72.0	22.2	88	31.1	40.0	4.4	33	0.6	1973*
4	58.4	14.7	74.6	23.7	86	30.0	42.3	5.7	32	0.0	1973
5	59.7	15.4	75.1	23.9	91	32.8	44.2	6.8	38	3.3	1973*
6	58.1	14.5	72.4	22.4	89	31.7	43.9	6.6	35	1.7	1964
7	57.0	13.9	72.1	22.3	93	33.9	42.0	5.6	32	0.0	1975
8	57.2	14.0	72.9	22.7	85	29.4	41.6	5.3	33	0.6	1967
9	57.1	13.9	71.9	22.2	87	30.6	42.2	5.7	36	2.2	1970
10	58.2	14.6	72.7	22.6	90	32.2	43.6	6.4	37	2.8	1975
11	57.8	14.3	73.9	23.3	91	32.8	41.8	5.4	37	2.8	1970*
12	59.7	15.4	75.8	24.3	91	32.8	43.7	6.3	37	2.8	1970
13	58.9	14.9	74.9	23.8	94	34.4	42.9	6.1	36	2.2	1969
14	59.8	15.4	74.5	23.6	92	33.3	43.2	7.3	36	2.2	1970
15	59.4	15.2	75.2	24.0	94	34.4	43.6	6.4	32	0.0	1970
16	59.0	15.0	75.4	24.1	95	35.0	42.6	5.9	30	-1.1	1967
17	58.9	14.9	74.5	23.6	90	32.2	43.2	6.2	35	1.7	1976*
18	57.4	14.1	71.7	22.1	90	32.2	43.1	6.2	34	1.1	1975
19	57.2	14.0	71.8	22.1	86	30.0	42.7	5.9	35	1.7	1967
20	57.4	14.1	73.9	23.3	87	30.6	40.9	4.9	32	0.0	1966
21	58.8	14.9	76.4	24.7	88	31.1	41.2	5.1	33	0.6	1971
22	60.4	15.8	77.9	25.5	90	32.2	42.9	6.1	35	1.7	1971*
23	60.4	15.8	78.2	25.7	97	36.1	42.6	5.9	36	2.2	1970
24	61.2	16.2	77.1	25.1	92	33.3	43.2	7.3	38	3.3	1971*
25	59.2	15.1	75.6	24.2	95	35.0	42.9	6.1	36	2.2	1969*
26	60.4	15.8	76.8	24.9	92	33.3	44.0	6.7	38	3.3	1975*
27	62.8	17.1	80.4	26.9	97	36.1	43.2	7.3	37	2.8	1970
28	62.7	17.1	79.9	26.6	99	37.2	43.5	7.5	33	0.6	1970
29	62.6	17.0	80.1	26.7	98	36.7	45.1	7.3	30	-1.1	1967
30	64.1	17.8	81.9	27.7	92	33.3	46.3	7.9	35	1.7	1967
31											
Monthly	59.0	15.0	74.9	23.8	99	37.2	43.0	6.1	30	-1.1	1967

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

23110

LEMOORE, CALIFORNIA

1962-1977

MAY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C		
1	63.9	17.7	81.7	27.6	92	33.3	1966	46.1	7.8	34	1.1	1967
2	64.0	17.8	81.7	27.6	99	37.2	1966	46.3	7.9	35	1.7	1964
3	64.5	18.1	81.6	27.6	102	38.9	1966	47.4	8.6	34	1.1	1964
4	62.7	17.1	78.1	25.6	90	32.2	1962	47.2	8.4	35	1.7	1964
5	61.4	16.3	77.7	25.4	92	33.3	1962	45.1	7.3	35	1.7	1964
6	61.7	16.5	77.5	25.3	92	33.3	1962	46.0	7.8	37	2.8	1977
7	64.4	18.0	80.9	27.2	97	36.1	1974*	47.9	8.8	37	2.8	1964
8	65.7	18.7	82.4	28.0	99	37.2	1974	48.9	9.4	39	3.9	1964
9	66.2	19.0	81.8	27.7	92	33.3	1974*	50.6	10.3	46	7.8	1977*
10	66.5	19.2	82.5	28.1	96	35.6	1969	50.6	10.3	45	7.2	1972*
11	66.6	19.2	83.6	28.7	97	36.1	1969	49.6	9.8	41	5.0	1968
12	67.7	19.8	84.5	29.2	102	38.9	1976	50.9	10.5	40	4.4	1963
13	68.0	20.0	85.6	29.8	105	40.6	1976	50.4	10.2	38	3.3	1967
14	68.6	20.3	85.1	29.5	104	40.0	1972	52.1	11.2	44	6.7	1967
15	69.5	20.8	88.0	31.1	102	38.9	1972	50.9	10.5	44	6.7	1967
16	69.0	20.6	87.0	30.6	99	37.2	1973	51.1	10.6	43	6.1	1977
17	69.9	21.1	88.5	31.4	100	37.8	1973*	51.3	10.7	43	6.1	1977*
18	70.6	21.4	88.6	31.4	103	39.4	1973	52.6	11.4	43	6.1	1974
19	69.2	20.7	86.6	30.3	98	36.7	1973*	51.7	10.9	42	5.6	1974
20	67.8	19.9	84.7	29.3	102	38.9	1966	50.9	10.5	37	2.8	1962
21	67.4	19.7	84.2	29.0	101	38.3	1967	50.5	10.3	43	6.1	1975
22	68.6	20.3	85.9	29.9	104	40.0	1967	51.3	10.7	45	7.2	1965
23	70.0	21.1	87.5	30.8	102	38.9	1967	52.4	11.3	48	8.9	1968
24	69.6	20.9	87.0	30.6	97	36.1	1966	52.2	11.2	44	6.7	1968
25	70.5	21.4	87.9	31.1	99	37.2	1966	53.1	11.7	42	5.6	1962
26	71.0	21.7	87.9	31.1	104	40.0	1974	54.1	12.3	49	9.4	1973
27	70.2	21.2	86.4	30.2	107	41.7	1974	54.1	12.3	47	8.3	1964
28	70.7	21.5	87.9	31.1	101	38.3	1973*	53.6	12.0	46	7.8	1970
29	72.0	22.2	89.6	32.0	107	41.7	1973	54.4	12.4	46	7.8	1976
30	72.5	22.5	90.4	32.4	104	40.0	1975	54.6	12.6	44	6.7	1967
31	72.7	22.6	90.4	32.4	103	39.4	1975	54.9	12.7	43	6.1	1962
Monthly	67.8	19.9	84.9	29.4	107	41.7	1974*	50.8	10.4	34	1.1	1967*

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1971

STATION  
23110

STATION NAME  
LEMOORE, CALIFORNIA

YEARS  
1962-1977

MONTH  
JUNE

DAY	MEAN TEMP		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	° F	° C	° F	° C	° F	° C			° F	° C	° F	° C		
1	71.9	22.2	88.7	31.5	100	37.8	1970*		55.1	12.8	44	6.7	1971*	
2	72.7	22.6	89.8	32.1	103	39.4	1970		55.5	13.1	46	7.8	1971	
3	71.9	22.2	89.1	31.7	102	38.9	1970		54.7	12.6	46	7.8	1967	
4	72.7	22.6	91.0	32.8	100	37.8	1970		54.3	12.4	44	6.7	1962	
5	73.9	23.3	90.7	32.6	104	40.0	1972		57.2	14.0	46	7.8	1962	
6	73.5	23.1	89.6	32.0	106	41.1	1977		57.3	14.1	47	8.3	1968*	
7	73.3	22.9	90.1	32.3	107	41.7	1977		56.5	13.6	50	10.0	1976	
8	71.6	22.0	88.1	31.2	106	41.1	1973		55.1	12.8	47	8.3	1964	
9	71.9	22.2	87.7	30.9	105	40.6	1973		56.1	13.4	48	8.9	1967*	
10	70.9	21.6	86.7	30.4	105	40.6	1975		55.1	12.8	43	6.1	1967	
11	71.9	22.2	89.1	31.7	104	40.0	1974		54.7	12.6	48	8.9	1976	
12	72.8	22.7	90.5	32.5	100	37.8	1975		55.2	12.9	48	8.9	1972	
13	73.9	23.3	91.4	33.0	105	40.6	1975		56.3	13.5	51	10.6	1967	
14	74.3	23.5	91.1	32.8	108	42.2	1966		57.5	14.2	50	10.0	1973	
15	75.7	24.3	93.9	34.4	108	42.2	1966		57.5	14.2	47	8.3	1973	
16	76.5	24.7	94.3	34.6	107	41.7	1968		58.7	14.8	49	9.4	1965	
17	75.8	24.3	93.3	34.1	105	40.6	1963		58.4	14.7	50	10.0	1973	
18	76.6	24.8	94.1	34.5	106	41.1	1968		59.2	15.1	49	9.4	1973	
19	77.7	25.4	95.7	35.4	106	41.1	1962		59.7	15.4	49	9.4	1964	
20	78.0	25.6	96.4	35.8	108	42.2	1973		59.6	15.3	51	10.6	1975	
21	78.0	25.6	96.6	35.9	112	44.4	1973		59.4	15.2	51	10.6	1973	
22	78.2	25.7	96.9	36.1	107	41.7	1968		59.5	15.3	51	10.6	1963	
23	76.8	24.9	94.7	34.8	107	41.7	1964		58.9	14.9	50	10.0	1963	
24	76.6	24.8	94.9	34.9	110	43.3	1964		58.3	14.6	48	8.9	1963	
25	78.0	25.6	95.9	35.5	111	43.9	1977*		60.0	15.6	49	9.4	1975	
26	77.3	25.2	95.7	35.4	106	41.1	1977		58.9	14.9	49	9.4	1975	
27	77.7	25.4	96.6	35.9	111	43.9	1976		58.7	14.8	51	10.6	1964	
28	78.2	25.7	97.6	36.4	112	44.4	1976		58.8	14.9	50	10.0	1969	
29	77.5	25.3	96.0	35.6	107	41.7	1972		58.9	14.9	47	8.3	1963	
30	77.5	25.3	97.3	36.3	111	43.9	1972		57.7	14.3	50	10.0	1968*	
31														
Monthly	75.1	23.9	92.8	33.8	112	44.4	1976*		57.4	14.1	43	6.1	1967	

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

STATION 23110 LEMOORE, CALIFORNIA STATION NAME 1961-1977 YEARS MONTH JULY

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME		
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	78.6	25.9	97.8	36.6	110	43.3	59.3	15.2	53	11.7	1973
2	78.2	25.7	96.8	36.0	107	41.7	59.7	15.4	47	8.3	1963
3	78.6	25.9	97.3	36.3	110	43.3	59.8	15.4	50	10.0	1966*
4	79.0	26.1	97.8	36.6	110	43.3	60.2	15.7	48	8.9	1964
5	80.1	26.7	98.6	37.0	111	43.9	61.6	16.4	52	11.1	1964
6	78.9	26.1	97.9	36.6	104	40.0	59.9	15.5	52	11.1	1969
7	78.2	25.7	97.4	36.3	102	38.9	59.1	15.1	52	11.1	1961
8	79.4	26.3	97.9	36.6	104	40.0	60.9	16.1	55	12.8	1973*
9	79.9	26.6	97.8	36.6	106	41.1	61.9	16.6	54	12.2	1963
10	80.4	26.9	99.1	37.3	109	42.8	61.7	16.5	54	12.2	1966
11	81.2	27.3	100.1	37.8	110	43.3	62.4	16.9	52	11.1	1971
12	81.2	27.3	99.7	37.6	110	43.3	62.6	17.0	51	10.6	1966
13	81.3	27.4	100.2	37.9	110	43.3	62.4	16.9	52	11.1	1962
14	82.0	27.8	101.2	38.4	113	45.0	62.8	17.1	54	12.2	1966
15	82.1	27.8	99.9	37.7	112	44.4	64.2	17.9	54	12.2	1966
16	81.1	27.3	98.9	37.2	107	41.7	63.4	17.4	52	11.1	1963
17	81.0	27.2	98.9	37.2	107	41.7	63.0	17.2	54	12.2	1968*
18	81.7	27.6	99.7	37.6	108	42.2	63.8	17.7	55	12.8	1963
19	82.0	27.8	100.2	37.9	111	43.9	63.8	17.7	57	13.9	1962
20	80.9	27.2	98.9	37.2	109	42.8	62.9	17.2	53	11.7	1972
21	80.8	27.1	99.5	37.5	108	42.2	62.1	16.7	52	11.1	1973
22	81.7	27.6	101.0	38.3	108	42.2	62.4	16.9	56	13.3	1973*
23	82.2	27.9	101.6	38.7	108	42.2	62.9	17.2	55	12.8	1973
24	81.4	27.4	100.1	37.8	108	42.2	62.8	17.1	55	12.8	1973
25	81.9	27.7	100.8	38.2	109	42.8	62.9	17.2	55	12.8	1977*
26	82.6	28.1	102.1	38.9	113	45.0	63.1	17.3	54	12.2	1963
27	82.9	28.3	101.8	38.8	108	42.2	64.0	17.8	54	12.2	1972
28	83.0	28.3	101.5	38.6	104	40.0	64.5	18.1	56	13.3	1972*
29	82.6	28.1	100.2	37.9	107	41.7	64.9	18.3	57	13.9	1962
30	80.9	27.2	97.4	36.3	106	41.1	64.4	18.0	54	12.2	1961
31	80.6	27.0	99.0	37.2	106	41.1	62.2	16.8	55	12.8	1961
Monthly	80.8	27.1	99.4	37.4	113	45.0	62.3	16.8	47	8.3	1963

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

## DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

23110 STATION LENOORE, CALIFORNIA 1961-1977 YEARS MONTH  
AUGUST

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	° F	° C	° F	° C	° F	° C	DATE	° F	° C	DATE		
1	81.3	27.4	99.9	37.7	107	41.7	1967	62.6	17.0	56	13.3	1975*
2	82.6	28.1	101.2	38.4	110	43.3	1971	63.9	17.7	57	13.9	1962
3	82.1	27.8	100.2	37.9	107	41.7	1975	63.9	17.7	51	10.6	1963
4	81.5	27.5	99.8	37.7	109	42.8	1975	63.2	17.3	55	12.8	1963
5	80.7	27.1	99.2	37.3	107	41.7	1975	62.3	16.8	56	13.3	1968*
6	80.9	27.2	99.1	37.3	105	40.6	1972*	62.8	17.1	56	13.3	1962
7	80.2	26.8	97.8	36.6	107	41.7	1966	62.6	17.0	54	12.2	1975
8	80.3	26.8	98.6	37.0	106	41.1	1966	61.9	16.6	56	13.3	1976
9	81.5	27.5	99.9	37.7	108	42.2	1966	63.1	17.3	58	14.4	1973
10	82.8	28.2	100.2	37.9	108	42.2	1971	63.4	18.6	53	11.7	1973
11	82.2	27.9	99.9	37.7	106	41.1	1971	64.5	18.1	56	13.3	1962
12	81.2	27.3	98.6	37.0	108	42.2	1967	63.7	17.6	55	12.8	1964
13	79.4	26.3	96.9	36.1	108	42.2	1967	61.8	16.6	55	12.8	1963
14	78.9	26.1	96.6	35.9	109	42.8	1967	61.2	16.2	53	11.7	1968
15	79.9	26.6	97.5	36.4	112	44.4	1967	62.2	16.8	52	11.1	1972
16	79.9	26.6	98.1	36.7	109	42.8	1967	61.6	16.4	51	10.6	1972
17	79.7	26.5	97.6	36.4	108	42.2	1967	61.9	16.6	48	8.9	1968
18	79.0	26.1	96.6	35.9	111	43.9	1967	61.4	16.3	54	12.2	1963
19	78.8	26.0	95.7	35.4	111	43.9	1967	61.9	16.6	53	11.7	1963
20	77.4	25.2	95.4	35.2	106	41.1	1967	59.3	15.2	53	11.7	1974*
21	78.0	25.6	96.9	36.1	104	40.0	1967*	59.2	15.1	52	11.1	1965
22	77.7	25.4	95.8	35.4	104	40.0	1967	59.6	15.3	51	10.6	1968
23	77.9	25.5	96.2	35.7	104	40.0	1967	59.6	15.3	48	8.9	1973
24	77.8	25.4	95.6	35.3	105	40.6	1974*	59.9	15.5	48	8.9	1963
25	78.3	25.8	96.1	35.6	105	40.6	1974	61.0	16.1	52	11.1	1963
26	76.6	24.8	94.5	34.7	105	40.6	1967	58.8	14.9	49	9.4	1963
27	76.3	24.6	94.8	34.9	104	40.0	1967*	57.7	14.3	50	10.0	1966
28	77.4	25.2	95.4	35.2	102	38.9	1967*	59.4	15.2	54	12.2	1973*
29	77.2	25.1	95.9	35.5	104	40.0	1976	58.6	14.8	48	8.9	1962
30	77.2	25.1	95.2	35.1	107	41.7	1968	59.2	15.1	50	10.0	1966
31	76.6	24.8	93.7	34.3	108	42.2	1967	59.5	15.3	52	11.1	1963
Monthly	79.4	26.3	97.4	36.3	112	44.4	1967	61.4	16.3	48	8.9	1973*

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



1978

25 DAILY AVERAGE/EXTREME TEMP MAR 1978

1978

1978

# DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

23110 LEMOORE, CALIFORNIA  
STATION NAME

1961-1977

YEARS

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

23110  
STATION

SEPTEMBER  
MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP				DATE
	AVERAGE ° F	AVERAGE ° C	AVERAGE ° F	AVERAGE ° C	EXTREME ° F	EXTREME ° C	AVERAGE ° F	AVERAGE ° C	EXTREME ° F	EXTREME ° C	
1	75.8	24.3	93.6	34.2	103	39.4	58.0	14.4	48	8.9	1971*
2	77.1	25.1	94.8	34.9	105	40.6	59.4	15.2	48	8.9	1964
3	77.1	25.1	96.0	35.6	102	38.9	58.1	14.5	48	8.9	1964
4	76.8	24.9	94.1	34.5	103	39.4	59.5	15.3	50	10.0	1962
5	77.4	25.2	95.2	35.1	105	40.6	59.7	15.4	51	10.6	1963
6	76.7	24.8	94.1	34.5	107	41.7	59.4	15.2	47	8.3	1964
7	76.4	24.7	94.6	34.8	106	41.1	58.2	14.6	47	8.3	1964
8	76.1	24.5	93.5	34.2	102	38.9	58.8	14.9	48	8.9	1964*
9	76.9	24.9	94.4	34.7	104	40.0	59.5	15.3	49	9.4	1963*
10	75.9	24.4	93.4	34.1	102	38.9	58.4	14.7	52	11.1	1961
11	75.1	23.9	92.6	33.7	101	38.3	57.6	14.2	46	7.8	1972
12	74.4	23.6	91.6	33.1	103	39.4	57.1	13.9	49	9.4	1966
13	72.3	22.4	89.4	31.9	106	41.1	55.2	12.9	44	6.7	1970
14	71.5	21.9	88.6	31.4	106	41.1	54.4	12.4	46	7.8	1970
15	72.0	22.2	90.1	32.3	107	41.7	53.9	12.2	42	5.6	1970
16	71.7	22.1	88.9	31.6	105	40.6	54.6	12.6	46	7.8	1970
17	71.2	21.8	88.0	31.1	100	37.8	54.5	12.5	48	8.9	1977*
18	71.1	21.7	86.4	30.2	102	38.9	55.9	13.3	46	7.8	1961
19	70.5	21.4	86.8	30.4	98	36.7	54.1	12.3	44	6.7	1962
20	69.6	20.9	86.4	30.2	100	37.8	52.9	11.6	44	6.7	1965
21	69.1	20.6	86.5	30.3	99	37.2	51.8	11.0	41	5.0	1968
22	71.1	21.7	88.6	31.4	100	37.8	53.6	12.0	42	5.6	1968
23	71.4	21.9	89.5	31.9	100	37.8	53.4	11.9	45	7.2	1968
24	72.8	22.7	90.4	32.4	99	37.2	55.1	12.8	49	9.4	1973
25	72.6	22.6	89.6	32.0	99	37.2	55.6	13.1	48	8.9	1973
26	72.3	22.4	89.9	32.2	105	40.6	54.6	12.6	47	8.3	1971
27	72.9	22.7	90.0	32.2	103	39.4	55.8	13.2	48	8.9	1962
28	72.3	22.4	89.1	31.7	99	37.2	55.4	13.0	45	7.2	1971
29	71.1	21.7	86.6	30.3	100	37.8	55.5	13.1	44	6.7	1965
30	70.1	21.2	86.6	30.3	97	36.1	53.5	11.9	42	5.6	1961
31											
Monthly	73.4	23.0	90.6	32.6	107	41.7	56.1	13.4	41	5.0	1968

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1977

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

1961-1977  
YEARS

OCTOBER  
MONTH

DAY	MEAN TEMP		MAXIMUM TEMP			MINIMUM TEMP			DATE
	AVERAGE ° F	AVERAGE ° C	AVERAGE ° F	EXTREME ° F	EXTREME ° C	AVERAGE ° F	EXTREME ° F	EXTREME ° C	
1	70.0	21.1	87.0	30.6	96	35.6	43	11.7	1974
2	69.7	20.9	86.7	30.4	96	35.6	40	11.4	1965
3	69.1	20.6	84.6	29.2	96	35.6	42	12.0	1964
4	69.4	20.8	85.7	29.8	96	35.6	44	11.7	1964
5	69.1	20.6	85.5	29.7	97	36.1	42	11.4	1975
6	68.4	20.2	85.6	29.8	96	35.6	39	10.6	1971
7	66.5	19.2	82.3	27.9	97	36.1	40	10.3	1971
8	66.3	19.1	82.4	28.0	97	36.1	40	10.2	1971
9	66.7	19.3	82.5	28.1	98	36.7	38	10.5	1971
10	66.7	19.3	83.0	28.3	94	34.4	37	10.2	1971*
11	66.4	19.1	82.2	27.9	93	33.9	40	10.3	1964
12	66.8	19.3	82.4	28.0	97	36.1	44	10.7	1964
13	66.1	18.9	82.2	27.9	95	35.0	40	10.0	1971
14	65.1	18.4	81.6	27.6	97	36.1	36	9.2	1961
15	64.4	18.0	80.0	26.7	101	38.3	38	9.3	1961
16	63.5	17.5	79.0	26.1	96	35.6	38	8.9	1961
17	63.4	17.4	80.0	26.7	95	35.0	36	8.2	1974
18	62.9	17.2	79.4	26.3	94	34.4	34	8.0	1961
19	63.6	17.6	80.1	26.7	89	31.7	36	8.4	1973
20	62.4	16.9	77.8	25.4	90	32.2	36	8.4	1964
21	62.2	16.8	77.6	25.3	93	33.9	37	8.2	1964
22	61.9	16.6	77.7	25.4	90	32.2	35	7.8	1965
23	60.6	15.9	76.0	24.4	94	34.4	30	7.3	1965
24	60.4	15.8	75.9	24.4	91	32.8	33	7.2	1966
25	60.9	16.1	77.1	25.1	93	33.9	33	7.0	1966
26	60.5	15.8	75.0	23.9	87	30.6	34	7.7	1965
27	59.6	15.3	74.1	23.4	87	30.6	35	7.3	1968
28	59.1	15.1	74.3	23.5	91	32.8	33	6.7	1968
29	57.7	14.3	72.5	22.5	86	30.0	30	6.1	1965
30	57.1	13.9	72.5	22.5	86	30.0	24	5.4	1965
31	57.4	14.1	73.2	22.9	86	30.0	32	5.3	1965
Monthly	64.0	17.8	79.9	26.6	101	38.3	24	8.9	1961

\* ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

1961-1977  
YEARS

NOVEMBER  
MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		EXTREME		DATE	
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C
1	57.9	14.4	74.7	23.7	87	30.6	41.0	5.0	28	-2.2	1971	
2	58.0	14.4	73.9	23.3	86	30.0	42.2	5.7	29	-1.7	1971	
3	58.2	14.6	74.3	23.5	83	28.3	42.1	5.6	34	1.1	1971	
4	58.1	14.5	72.4	22.4	83	28.3	43.8	6.6	27	-2.8	1973	
5	57.6	14.2	71.2	21.8	82	27.8	43.9	6.6	33	0.6	1973	
6	55.5	13.1	68.4	20.2	82	27.8	42.6	5.9	36	2.2	1974*	
7	57.1	13.9	72.0	22.2	82	27.8	42.2	5.7	32	0.0	1977	
8	56.7	13.7	70.6	21.4	81	27.2	42.8	6.0	32	0.0	1963	
9	56.1	13.4	70.2	21.2	80	26.7	42.1	5.6	33	0.6	1975*	
10	56.2	13.4	69.8	21.0	81	27.2	42.6	5.9	33	0.6	1966	
11	56.4	13.6	68.9	20.5	77	25.0	43.9	6.6	36	2.2	1963	
12	54.7	12.6	67.1	19.5	77	25.0	42.4	5.8	31	-0.6	1975	
13	54.0	12.2	66.3	19.1	78	25.6	41.7	5.4	33	0.6	1961	
14	54.9	12.7	67.1	19.5	80	26.7	42.6	5.9	30	-1.1	1968	
15	53.9	12.2	65.4	18.6	75	23.9	42.5	5.8	32	0.0	1971	
16	51.8	11.0	62.5	16.9	73	22.8	41.1	5.1	27	-2.8	1971	
17	52.0	11.1	64.1	17.8	78	25.6	39.9	4.4	27	-2.8	1971*	
18	50.2	10.1	63.1	17.3	74	23.3	37.2	2.9	22	-5.6	1961	
19	49.2	9.6	62.2	16.8	78	25.6	36.3	2.4	25	-3.9	1964*	
20	49.9	9.9	61.9	16.6	76	24.4	37.9	3.3	24	-4.4	1964	
21	49.4	9.7	60.9	16.1	70	21.1	37.9	3.3	25	-3.9	1964	
22	49.4	9.7	60.1	15.6	70	21.1	38.6	3.7	28	-2.2	1963	
23	49.1	9.5	59.9	15.5	70	21.1	38.4	3.6	30	-1.1	1974*	
24	48.6	9.2	61.2	16.2	71	21.7	36.1	2.3	27	-2.8	1966	
25	48.1	8.9	58.4	14.7	69	20.6	37.8	3.2	26	-3.3	1966	
26	47.9	8.8	60.0	15.6	70	21.1	35.8	2.1	26	-3.3	1969	
27	47.6	8.7	58.6	14.8	67	19.4	36.5	2.5	24	-4.4	1969	
28	47.2	8.4	57.8	14.3	66	18.9	36.5	2.5	22	-5.6	1969	
29	46.8	8.2	58.8	14.9	68	20.0	34.8	1.6	26	-3.3	1975*	
30	47.1	8.4	57.4	14.1	72	22.2	36.8	2.7	23	-5.0	1969*	
31												
Monthly	52.6	11.4	65.3	18.5	87	30.6	40.0	4.4	22	-5.6	1969*	

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

23110

LEMOORE, CALIFORNIA

1961-1977

DECEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		DATE		AVERAGE		MINIMUM TEMP		EXTREME		DATE	
	° F	° C	° F	° C	° F	° C	° F	° C			° F	° C	° F	° C				
1	47.8	8.8	57.1	13.9	65	18.3	18.3	1974*			38.5	3.6	29	-1.7	1969			
2	46.4	8.0	56.8	13.8	67	19.4	19.4	1977*			36.0	2.2	24	-4.4	1969			
3	46.3	7.9	56.8	13.8	70	21.1	21.1	1962			35.8	2.1	26	-3.3	1969			
4	45.8	7.7	56.3	13.5	66	18.9	18.9	1962			35.4	1.9	24	-4.4	1968			
5	45.6	7.6	55.5	13.1	67	19.4	19.4	1962			35.6	2.0	25	-3.9	1973			
6	45.5	7.5	54.4	12.4	68	20.0	20.0	1966			36.5	2.5	30	-1.1	1964			
7	45.9	7.7	54.8	12.7	66	18.9	18.9	1962			37.1	2.8	32	0.0	1976*			
8	44.4	6.9	53.4	11.9	64	17.8	17.8	1976			35.4	1.9	23	-5.0	1971			
9	43.7	6.5	53.3	11.8	65	18.3	18.3	1962			34.2	1.2	23	-5.0	1971			
10	43.9	6.6	53.4	11.9	64	17.8	17.8	1968*			34.4	1.3	28	-2.2	1971*			
11	44.1	6.7	52.8	11.6	65	18.3	18.3	1969			35.5	1.9	26	-3.3	1972*			
12	43.6	6.4	53.4	11.9	69	20.6	20.6	1969			33.8	1.0	24	-4.4	1972*			
13	42.9	6.1	52.1	11.2	70	21.1	21.1	1969			33.8	1.0	24	-4.4	1963			
14	43.2	6.2	52.1	11.2	75	23.9	23.9	1962			34.4	1.3	23	-5.0	1967			
15	44.2	6.8	53.6	12.0	77	25.0	25.0	1962			34.9	1.6	25	-3.9	1967			
16	43.4	6.3	52.5	11.4	64	17.8	17.8	1976			34.3	1.3	23	-5.0	1967			
17	43.6	6.4	53.2	11.8	66	18.9	18.9	1977			34.1	1.2	21	-6.1	1975			
18	43.1	6.2	53.0	11.7	63	17.2	17.2	1972			33.3	0.7	20	-6.7	1971			
19	43.6	6.4	53.4	11.9	64	17.8	17.8	1962			33.9	1.1	21	-6.1	1975			
20	45.1	7.3	54.5	12.5	72	22.2	22.2	1969			35.6	2.0	22	-5.6	1971			
21	45.9	7.7	54.5	12.5	68	20.0	20.0	1969			37.4	3.0	22	-5.6	1968			
22	46.1	7.8	54.8	12.7	72	22.2	22.2	1964			37.4	3.0	22	-5.6	1968			
23	45.4	7.4	53.8	12.1	72	22.2	22.2	1964			37.0	2.8	22	-5.6	1965			
24	46.1	7.8	54.8	12.7	73	22.8	22.8	1964			37.4	3.0	25	-3.9	1974			
25	44.7	7.1	53.9	12.2	66	18.9	18.9	1964			35.5	1.9	24	-4.4	1962			
26	43.7	6.5	52.2	11.2	59	15.0	15.0	1977			35.2	1.8	20	-6.7	1962			
27	44.1	6.7	52.8	11.6	61	16.1	16.1	1974			35.4	1.9	18	-7.8	1962			
28	45.1	7.3	53.9	12.2	66	18.9	18.9	1977			36.2	2.3	22	-5.6	1962			
29	44.1	6.7	53.8	12.1	68	20.0	20.0	1977			34.4	1.3	19	-7.2	1962			
30	43.0	6.1	51.7	10.9	64	17.8	17.8	1977			34.2	1.2	24	-4.4	1969			
31	40.9	4.9	49.5	9.7	58	14.4	14.4	1976			32.2	0.1	24	-4.4	1969*			
Monthly	44.6	7.0	53.8	12.1	77	25.0	25.0	1962			35.3	1.8	18	-7.8	1962			

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



# EXTREME VALUES

## MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

61-77

LEMOORE, CALIFORNIA

23110

STATION NAME

STATION

YEARS

### WHOLE DEGREES FAHRENHEIT

5723 Extreme Values Jan 1969

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
61							110	105	101	101	81	65	
62	63	67	80	97	97	107	105	106	102	93	87	77	107
63	68	78	83	84	100	105	106	104	105	95	76	53	106
64	66	71	86	94	97	111	108	105	99	97	75	73	111
65	69	74	81	99	101	100	106	104	96	96	81	61	106
66	66	78	89	95	102	108	106	108	102	94	86	68	108
67	67	78	78	69	104	109	110	112	101	90	83		
68	69	76	88	93	101	109	111	107	102	91	74	66	111
69	69	66	86	88	99	96	108	104	103	93	83	72	108
70	74	78	78	80	98	103	104	104	102	95	80	64	104
71	67	73	82	91	96	104	106	110	107	98	76	65	110
72	60	79	90	94	104	111	113	105	102	93	77	63	113
73	69	70	71	93	107	112	108	107	99	92	81	63	112
74	75	77	80	92	107	106	109	107	106	96	82	67	109
75	72	80	82	83	104	105	113	109	105	97	82	67	113
76	72	75	86	86	105	112	108	106	105	92	82	64	112
77	65	81	81	93	101	111	107	104	107	93	82	68	111
MEAN	68.2	75.1	82.6	89.8	101.4	106.8	108.1	106.3	102.6	94.5	80.5	66.0	109.4
S. D.	3.902	4.538	4.871	7.827	3.502	4.549	2.619	2.365	3.001	2.809	3.710	5.404	2.798
TOTAL OBS.	496	452	496	480	496	480	527	527	510	527	510	496	5997



# EXTREME VALUES

MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

23110 STATION LEHORE, CALIFORNIA STATION NAME 61-77 YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
61	14	25	30	37	37	44	52	54	42	30	22	28	
62	13	36	30	31	40	46	52	48	44	36	23	18	14
63	21	24	25	34	34	47	48	54	50	34	28	24	15
64	27	24	30	37	39	48	54	52	44	41	24	26	21
65	23	24	23	32	42	49	50	50	43	37	34	22	22
66	26	28	27	30	34	43	56	59	53	40	31	26	23
67	23	32	34	35	39	47	54	48	41	42	26	22	22
68	29	29	29	35	36	49	52	49	48	36	22	24	22
69	20	29	30	32	40	34	59	53	42	33	31	30	20
70	21	21	22	33	44	44	52	55	45	24	27	20	20
71	23	25	27	36	42	48	53	51	46	32	35	24	23
72	20	33	30	32	40	47	52	48	48	37	25	23	20
73	25	29	31	36	42	52	53	53	53	44	29	25	25
74	24	28	30	32	38	49	52	53	52	33	26	21	21
75	20	33	31	34	46	46	54	54	49	43	30	28	20
76	28	30	28	34	37	53	53	55	48	40	25	28	25
77													
MEAN	22.4	28.1	28.6	33.8	39.4	47.9	52.5	52.0	46.8	36.4	27.3	24.4	20.9
S. D.	4.211	4.097	3.119	2.143	3.364	3.138	2.741	3.162	3.849	5.147	3.901	3.265	3.067
TOTAL OBS.	496	452	496	480	496	480	527	527	510	527	510	496	5997



MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME
23110	LEMOORE, CALIFORNIA

61-77

YEARS

WHOLE DEGREES FAHRENHEIT  
/BASED ON LESS THAN FULL MONTHS/

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NAVWEASERVCOM

# PSYCHROMETRIC SUMMARY

23110 LEMOORE, CALIFORNIA 73-77 JAN MONTH  
 STATION NAME YEARS  
 PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
72/ 71					.1		.1	.1	.1									3	3		
70/ 69								.2	.1									4	4		
68/ 67								.2										3			
66/ 65		.1		.2			.6	.3										14	14		
64/ 63		.2	.1	.1	.2	.2	.6	.1										17	17	2	
62/ 61	.1	.2	.1	.1	.2	.3	.2	.2										16	16	4	4
60/ 59	.1	.2	.2	.2	.5	.2	.1											17	17	8	3
58/ 57	.3	.5	.6	.4	.3	.4	.2	.1										35	35	7	10
56/ 55	1.3	.5	.7	.3	.6	.3	.5	.2										49	49	35	21
54/ 53	1.8	1.1	.7	1.0	.4	.2	.5											72	72	61	31
52/ 51	1.1	1.0	.4	1.0	.7	.3	.2											59	59	61	30
50/ 49	1.6	1.4	1.3	1.4	.6	.3	.1											83	83	61	41
48/ 47	1.6	2.3	2.3	1.1	.6	.1												100	100	69	57
46/ 45	2.2	4.7	2.0	.7	.4	.1												125	125	114	81
44/ 43	2.2	5.2	1.5	.3	.2													115	115	139	93
42/ 41	2.3	4.9	1.9	.2	.2													117	117	155	120
40/ 39	3.5	4.5	1.0	.6														119	119	147	167
38/ 37	1.7	4.0	1.1	.4														89	89	104	135
36/ 35	1.6	1.9	.7	.2														55	55	78	107
34/ 33	1.4	2.3	.6															53	53	58	89
32/ 31	.7	1.2	.3															28	28	50	50
30/ 29	.5	1.7	.4															32	32	29	51
28/ 27	.3	.8																14	14	27	34
26/ 25	.4	.3																9	9	16	52
24/ 23	.3	.3																8	8	9	32
22/ 21	.1	.2																3	3	4	13
20/ 19	.1																	1	1	2	16
18/ 17																					2
16/ 15																					1
TOTAL	25.2	39.4	16.0	8.1	5.0	2.6	2.6	1.2	.1									1240	1240	1240	1240

Element (X)	ΣX <sup>2</sup>	ΣX	X̄	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					
						≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	8752101	102041	82.3	16.927	1240						744.0
Dry Bulb	2548394	55162	44.5	8.732	1240	57.0	6.0				744.0
Wet Bulb	2243114	51916	41.9	7.490	1240	82.2					744.0
Dew Point	1940377	47993	38.7	8.177	1240	150.6					744.0



## PSYCHROMETRIC SUMMARY

05

PSYCHROMETRIC SUMMA JAN 68

**Abstract**

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL	
																					Dry Bulb	Wet Bulb
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
86/ 79									.1	.2								3	3			
78/ 77									.1									2	2			
76/ 75									.2	.1								4	4			
74/ 73									.3	.2	.1							6	6			
72/ 71						.1	.2	.1	.4									9	9			
70/ 69					.1	.2	.6	.3	.2									15	15			
68/ 67					.1	.7	.5	.4										20	20			
66/ 65				.1	.4	.7	.7	.5										27	27			
64/ 63			.1	.5	1.2	.7	.1	.3										32	32			
62/ 61	.1	.2	1.3	1.5	.4	.1	.5											46	46			
60/ 59	.3	.9	2.0	.8	.9	.4	.1	.2										62	62			
58/ 57	1.0	1.4	1.6	1.0	.4	.4	.1	.2										66	66			
56/ 55	1.8	1.6	2.5	1.2	.5	.1												83	83			
54/ 53	.3	2.6	2.6	2.0	.4	.3	.1											91	91			
52/ 51	.7	2.8	2.7	.9	.2	.1												84	84			
50/ 49	.6	4.0	2.6	.7	.4													93	93			
48/ 47	.6	5.0	2.1	1.2		.3												103	103			
46/ 45	1.2	4.9	1.5	.5	.1													93	93			
44/ 43	1.2	3.7	1.1	.1	.2													70	70			
42/ 41	1.6	2.8	.7	.4														62	62			
40/ 39	1.1	2.4	.4															44	44			
38/ 37	1.4	2.2	.2	.2														45	45			
36/ 35	1.9	1.2	.2															37	37			
34/ 33	.7	1.0	.2															21	21			
32/ 31	.1																	1	1			
30/ 29	.4	.1																5	5			
28/ 27																						
26/ 25																						
24/ 23																						
TOTAL	11.735	818.4	13.9	7.4	5.2	3.2	2.7	1.1	.3	.3								1126	1128			

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	7078100	87188	77.3	17.342	1128	≤ 32 F	≥ 32 F	≤ 37 F	≥ 37 F	≤ 43 F	≥ 43 F	Total
Dry Bulb	3002073	57263	50.8	9.186	1128		3.6	35.1	8.9		.6	672.0
Wet Bulb	2520207	52789	46.8	6.643	1128		9.5					672.0
Dew Point	2131774	48510	43.0	6.359	1128		38.7					672.0

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# PSYCHROMETRIC SUMMARY

23110

LEMOORE, CALIFORNIA

73-77

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PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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## PSYCHROMETRIC SUMMARY

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STATION NAME
LEMOORE, CALIFORNIA

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05 PSYCHROMETRIC SUMMA JAN 68

JAN 68

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# PSYCHROMETRIC SUMMARY

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LEMOORE, CALIFORNIA

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STATION NAME

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HOURS (L.S.T.)

WET BULB TEMPERATURE DEPRESSION (F)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb
106/105																	.1	1	1	
104/103																	.1	5	5	
102/101																	.1	5	5	
100/99																	.2	7	7	
98/97																	.1	9	9	
96/95																	.2	16	16	
94/93																	.1	23	23	
92/91											.1	.2	.7	.3	.3	.3	.7	24	24	
90/89											.4	.2	.4	.4	.2	.1		22	22	
88/87										.2	.3	.9	1.0	.6	.2			38	38	
86/85										.1	.6	.9	.5	.6	.2			49	49	
84/83										.4	.3	.3	.8	1.0	.4	.1		42	42	
82/81										.2	.1	.3	1.0	.6	.1			44	44	
80/79										.1	.7	1.0	.6	.4	.1			52	52	
78/77										.1	.6	.3						49	49	
76/75										.1	.8	.5	.2					58	58	
74/73										.4	.4	.1	.2					60	60	2
72/71										.7	1.3	.7	.1					62	62	19
70/69										1.0	.9	1.0	.1					53	53	37
68/67										.4	.4	1.7	.5	.1				51	51	36
66/65										.7	1.1	.7	.8	.6	.1			69	69	58
64/63										1.1	1.6	.8	.4	.2				60	60	89
62/61		.1	.3	.7	1.0	1.7	.6	.4		.7	1.5	.6	.4					62	62	112
60/59		.2	.3	1.0	1.7	1.0	.6	.2		.7	1.7	.6	.2					62	62	118
58/57			.6	2.6	2.3	.9	.2			.4	.8	.2						81	81	117
56/55		.1	1.9	1.7	1.3	.8				.2								72	72	131
54/53		.2	1.0	1.7	1.1	.2	.1			.1								52	52	89
52/51		.2	.9	.9	.8	.2				.2								37	37	127
50/49		.3	1.0	.8	.2					.2								29	29	97
48/47		.6	.4	.3	.2													18	18	74
46/45		.4	.6	.3														16	16	56
44/43		.2	.2	.1														5	5	23
42/41		.1	.2	.1														4	4	19
40/39		.1	.1															2	2	6

Mean No. of Hours with Temperature

Total

≥ 93 F

≥ 80 F

≥ 73 F

≥ 67 F

≥ 52 F

≥ 0 F

No. Obs.

$\sigma_x$

$\bar{x}$

$\Sigma x$

$\Sigma x^2$

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

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HOURS (L.S.T.)

05 PSYCHROMETRIC SUMMARY 7 JAN 68

JAN 68

## PSYCHROMETRIC SUMMARY

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## PSYCHROMETRIC SUMMARY

STATION	23110
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STATION NAME
LEMOORE, CALIFORNIA

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PSYCHROMETRIC SUMMARY

23110 LEMMOORE, CALIFORNIA 73-77 AUG NORTH  
STATION NAME YEARS MONTH  
PAGE 1  
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		Dew Point	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.		Dry Bulb
108/107																	.2	2	2	
106/105																	.3	6	6	
104/103																.1	.4	14	14	
102/101																.5	.6	25	25	
100/99														.1	.2	.6	.8	28	28	
98/97											.1	.2	.5	1.0	.8	.9	.2	39	39	
96/95											.1	.2	.5	1.3	.8	.3	.2	42	42	
94/93											.2	.6	1.3	1.4	.2	.1	.2	48	48	
92/91										.1	.2	1.1	1.6	.4	.4		.6	48	48	
90/89								.1	.2	.2	1.3	1.7	1.5	.2	.1		.5	65	65	
88/87									.1	.6	1.3	1.2	.7				.4	49	49	
86/85									.5	1.1	1.6	.8	.4	.1			.5	57	57	
84/83								.1	.5	.7	1.5	1.0	.4				.4	53	53	
82/81					.1	.2	.6	1.2	2.3	1.7	.8	.2					.2	72	72	
80/79					.1	.2	.4	1.3	1.9	1.0	.1						.1	44	44	
78/77						.2	.6	1.3	1.5	.6	.1							70	70	
76/75			.2			.6	1.2	1.2	.9	.2								51	51	10
74/73					.2	.6	1.9	2.1	.5	.1								68	68	35
72/71	.1		.1	.1	.7	1.5	1.9	1.2	.2									71	71	76
70/69			.1	.3	1.5	1.9	1.6	.6										75	75	127
68/67			.2	.7	2.0	2.3	1.4	.1										83	83	140
66/65			.3	1.1	1.9	1.5	.5											67	67	151
64/63			.4	1.6	2.5	1.6	.2											79	79	143
62/61			.4	1.2	.9	.3	.1											36	36	145
60/59			.3	1.0	.2	.1												21	21	136
58/57			.2	1.0	.1													16	16	118
56/55				.3	.2													6	6	85
54/53			.2	.1	.1													4	4	45
52/51			.1															1	1	18
50/49																				7
48/47																				3
46/45																				1
44/43																				27
42/41																				11
Element (X)	ΣX <sup>2</sup>	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						TOTAL			
Rel. Hum.											≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb																				
Wet Bulb																				
Dew Point																				



## PSYCHROMETRIC SUMMARY

STATION	23110
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STATION NAME
LEMOORE, CALIFORNIA

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HOURS (L.S.T.)

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# PSYCHROMETRIC SUMMARY

23110

LEMOORE, CALIFORNIA

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HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb		
106/105																	.1	1	1		
104/103																.2	.5	8	8		
102/101																.3	.2	9	9		
100/99															.2	.5	11	11			
98/97														.2	.9	.7	.1	28	28		
96/95													.2	.5	.7	.2	24	24			
94/93											.1	.3	1.0	1.0	.5	.1	36	36			
92/91											.2	.7	1.1	.5	.2	.2	31	31			
90/89											.7	.9	.4	.2	.1		35	35			
88/87								.1	.2	.7	1.2	1.2	.9	.2	.1		51	51			
86/85								.1	.6	.8	1.6	1.1	.2	.1			49	49			
84/83								.6	.7	2.1	1.7	.2					57	57			
82/81								.2	.7	1.7	1.0	.1					49	49			
80/79								.4	1.3	1.6	.9	.2					57	57			
78/77			.1	.1				.1	1.9	1.6	.4						57	57			
76/75					.4			.4	1.5	1.3	.6	.1					75	75	1		
74/73					.1			.4	2.4	1.3							70	70	17		
72/71			.1	.1	.2			.9	2.3	1.0	.4						61	61	44		
70/69			.2	.2	1.0			1.3	2.1	.6	.2						64	64	78		
68/67			.1	.5	1.2	2.5		1.4	1.0								81	81	114		
66/65	.1		.2	.8	2.0	2.1	.9	.2	.1								78	78	101		
64/63	.1	.2	.2	.9	2.0	1.9	.5										68	68	148		
62/61	.2	.4	.6	1.7	2.2	.7	.3										67	67	129		
60/59	.4	.6	.6	1.3	1.9	.7	.2										62	62	144		
58/57	.1	.5	.5	1.0	.7	.2											30	30	131		
56/55	.2	.9	.7	.7	.2	.2											26	26	103		
54/53	.2	.1	.2	.2	.2												6	6	95		
52/51		.2	.2	.2	.1												8	8	49		
50/49			.1														1	1	29		
48/47																			11		
46/45																			5		
44/43																			1		
42/41																			23		
40/39																			18		
Element (X)	ΣX <sup>2</sup>																ΣX		Mean No. of Hours with Temperature		Total
Rel. Hum.																			≥ 80 F		
Dry Bulb																			≥ 73 F		
Wet Bulb																			≥ 67 F		
Dew Point																					

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DES

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HOURS (L.S.T.)

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# PSYCHROMETRIC SUMMARY

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LEMOORE, CALIFORNIA

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HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL								
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point							
96/ 95														.2	.1	.2		2	2									
94/ 93														.2	.4	.2		6	6									
92/ 91													.1	.2	.9	.1		10	10									
90/ 89														.2	.6	.2		16	16									
88/ 87														.6	.1			21	21									
86/ 85														.6	.1			23	23									
84/ 83									.2	.2	.3	.7	.6	.1				30	30									
82/ 81						.1	.1	.3	.1	.4	1.0	.6		.1				34	34									
80/ 79						.2	.2	.2	.6	.4	1.5	.5		.1				43	43									
78/ 77					.1	.2	.2	.2	.7	1.0	.6	.1						40	40									
76/ 75					.2	.2	.5	.6	.6	1.4	.5							49	49									
74/ 73					.3	.2	.3	1.1	1.5	.9	.3	.2						61	61	1								
72/ 71					.2	.3	.4	1.0	1.5	.4	.1							60	60	5								
70/ 69			.2	.2	.2	.3	1.2	1.4	.8	.1	.1							56	56	15								
68/ 67			.2	.4	.3	1.0	.8	.6	.6	.2	.1							56	56	22								
66/ 65		.1	.2	1.0	1.1	1.0	1.2	1.0	.6	.1	.1							79	79	43								
64/ 63		.2	.4	.6	1.0	1.3	1.3	.6	.2	.3								72	72	80	3							
62/ 61		.2	.4	1.0	1.0	1.7	.6	.6	.1									71	71	76	14							
60/ 59		.2	.9	1.6	1.1	.8	1.0		.1									71	71	104	23							
58/ 57	.2	.2	1.2	1.8	2.3	1.6	.4	.1										96	96	133	20							
56/ 55	.3	.4	.6	1.7	1.4	1.5	.5											78	78	120	30							
54/ 53		.3	1.0	1.5	1.3	.4	.5	.1										63	63	115	47							
52/ 51	.1	.9	.9	1.4	1.5	.6	.3	.1										70	70	104	62							
50/ 49	.2	.1	.7	1.0	1.1	.1												40	40	117	74							
48/ 47		.3	.5	1.4	.5	.1	.2											36	36	83	109							
46/ 45	.1	.3	.3	.6	.1	.1	.1											18	18	71	110							
44/ 43		.4	.3	.6	.2	.1												20	20	51	133							
42/ 41		.1	.4	.3	.1													11	11	49	135							
40/ 39		.1	.1	.2	.2													6	6	24	111							
38/ 37					.1													1	1	11	87							
36/ 35					.1													1	1	10	73							
34/ 33																				2	67							
32/ 31																				2	49							
30/ 29																				2	30							
																				1	16							
Element (X)	ΣX <sup>2</sup>																	ΣX		σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature				Total		
Rel. Hum.																						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 93 F		
Dry Bulb																												
Wet Bulb																												
Dew Point																												

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## PSYCHROMETRIC SUMMARY

23110 STATION

LEMOORE, CALIFORNIA

73-77

YEARS

**MONTH**

**PAGE 2**

HOURS (L.S.T.)

05 PSYCHROMETRIC SUMMA JAN 68

JAN 68

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# PSYCHROMETRIC SUMMARY

55 PSYCHROMETRIC SUMMARY JAN 68

23110 LEMOORE, CALIFORNIA 73-77 NOV  
STATION NAME YEARS MONTH  
PAGE 1  
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	
82/ 81																			3	3	
80/ 79																			7	7	
78/ 77																			5	5	
76/ 75																			10	10	
74/ 73																			22	22	
72/ 71																			18	18	
70/ 69																			30	30	
68/ 67																			25	25	
66/ 65																			48	48	
64/ 63																			58	58	
62/ 61																			59	59	
60/ 59																			68	68	
58/ 57																			76	76	
56/ 55																			83	83	
54/ 53																			91	91	
52/ 51																			80	80	
50/ 49																			93	93	
48/ 47																			73	73	
46/ 45																			70	70	
44/ 43																			51	51	
42/ 41																			71	71	
40/ 39																			52	52	
38/ 37																			39	39	
36/ 35																			25	25	
34/ 33																			13	13	
32/ 31																			13	13	
30/ 29																			11	11	
28/ 27																			3	3	
26/ 25																			3	3	
24/ 23																					
22/ 21																					
20/ 19																					
18/ 17																					
16/ 15																					
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature						Total		Total		
Rel. Hum.																					
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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# PSYCHROMETRIC SUMMARY

5381 15 PSYCHROMETRIC SUMMARY JAN 68

23110 LEMOORE, CALIFORNIA 73-77 DEC  
STATION NAME YEARS MONTH  
PAGE 1  
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb		
66/ 65				.2	.1		.2	.1										6	6			
64/ 63				.2	.1		.3	.1										17	17			
62/ 61		.2	.1	.1	.4	.6	.3											20	20	1		
60/ 59		.3	.4	.6	1.0	1.1	.2	.1										48	48	5		
58/ 57	.2	.3	.7	.9	.8	1.4	.2											56	56	10		
56/ 55	.4	1.6	.3	1.5	1.7	.3	.2	.1										75	75	19		
54/ 53	.5	1.9	1.4	1.5	.7	.6	.1											82	82	64		
52/ 51	.3	1.5	3.1	1.3	.4	.3												87	87	74		
50/ 49	.3	3.1	2.7	1.2	.6	.2	.1											101	101	97		
48/ 47	.2	3.2	2.5	.7	.2													84	84	137		
46/ 45	.8	4.9	3.0	.6	.2													118	118	125		
44/ 43	1.2	5.8	1.9	.2	.2													115	115	147		
42/ 41	1.9	3.3	2.9	.3	.1													105	105	134		
40/ 39	2.5	3.0	1.9	.1														92	92	105		
38/ 37	.8	3.3	.9	.2														64	64	89		
36/ 35	.6	2.8	.6															49	49	71		
34/ 33	.3	3.5	.5															53	53	49		
32/ 31	.7	1.9	.2															35	35	58		
30/ 29	.6	.7																16	16	28		
28/ 27	.4	.4	.1															11	11	16		
26/ 25		.3																4	4	8		
24/ 23	.1																	1	1	2		
22/ 21	.1																	1	1	1		
20/ 19																						
18/ 17																						
TOTAL	11.9	42.1	23.1	9.5	6.4	5.2	1.5	.3										1240	1240	1240		

Element (X)	ΣX <sup>2</sup>	ΣX	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	8093855	98461	79.4	14.915	1240	≤ 0 F	≤ 32 F	≥ 67 F	≥ 80 F	≥ 93 F	744.0
Dry Bulb	2715353	57095	46.0	8.353	1240		40.8				744.0
Wet Bulb	2341975	53201	42.9	6.926	1240		67.8				744.0
Dew Point	1989581	48871	39.4	7.157	1240		133.2				744.0

Element (X)	ΣX <sup>2</sup>	ΣX	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	8093855	98461	79.4	14.915	1240	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 93 F	Total
Dry Bulb	2715353	57095	46.0	8.353	1240		40.8				744.0
Wet Bulb	2341975	53201	42.9	6.926	1240		67.8				744.0
Dew Point	1989581	48871	39.4	7.157	1240		133.2				744.0

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL								
	Mean No. of Hours with Temperature																											
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31											
112/111																		0	1	1	1							
110/109																		0	5	5	5							
108/107																	0	1	15	15	15							
106/105																0	0	2	36	36	36							
104/103																0	1	4	72	72	72							
102/101												0				0	1	3	98	98	98							
100/99												0	0	0	0	2	3	3	125	125	125							
98/97												0	1	2	3	3	1	152	152	152	152							
96/95												0	1	2	4	3	2	190	190	190	190							
94/93												0	0	2	4	2	1	227	227	227	227							
92/91												0	1	3	5	2	1	231	231	231	231							
90/89												0	0	4	5	2	1	256	256	256	256							
88/87												0	1	2	5	2	0	264	264	264	264							
86/85												0	2	3	4	2	1	275	275	275	275							
84/83												0	1	3	4	2	1	300	300	300	300							
82/81												0	2	4	5	1	0	326	326	326	326							
80/79												0	1	3	5	2	1	356	356	356	356							
78/77												0	1	3	5	2	1	381	381	381	381							
76/75												0	2	6	7	1	0	424	424	424	424							
74/73												0	1	3	6	3	2	481	481	481	481							
72/71												0	2	5	9	2	1	476	476	476	476							
70/69												0	1	4	6	4	1	485	485	485	485							
68/67												0	1	2	5	2	1	511	511	511	511							
66/65												0	1	4	9	1	0	603	603	603	603							
64/63												0	2	6	1	1	1	601	601	601	601							
62/61												0	1	2	8	1	1	559	559	559	559							
60/59												0	2	4	1	1	0	601	601	601	601							
58/57												0	1	3	1	1	0	666	666	666	666							
56/55												0	2	6	1	1	0	667	667	667	667							
54/53												0	3	8	1	2	0	639	639	639	639							
52/51												0	3	9	1	2	0	604	604	604	604							
50/49												0	3	1	2	1	5	621	621	621	621							
48/47												0	3	1	6	1	1	576	576	576	576							
46/45												0	4	1	9	1	0	581	581	581	581							
Element (X)	ΣX <sup>2</sup>				ΣX				ΣX				ΣX				ΣX				ΣX				ΣX			
Rel. Hum.																												
Dry Bulb																												
Wet Bulb																												
Dew Point																												



# PSYCHROMETRIC SUMMARY

STATION 23110 LEMOORE, CALIFORNIA STATION NAME 73-77 YEARS ALL MONTH PAGE 2 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31						
44 / 43	.5	1.7	.8	.3	.1	.0												496	496	763	1262		
42 / 41	.6	1.4	.8	.3	.1	.0	.0											467	467	688	1116		
40 / 39	.7	1.3	.5	.2	.0													390	390	534	1030		
38 / 37	.3	1.1	.3	.1	.0	.0												282	282	425	713		
36 / 35	.4	.7	.2	.1	.0													206	206	322	698		
34 / 33	.2	.7	.2															156	156	213	553		
32 / 31	.2	.3	.1															83	83	153	347		
30 / 29	.1	.3	.0	.0														65	65	95	293		
28 / 27	.1	.1	.0															28	28	55	203		
26 / 25	.0	.1	.0	.0														16	16	25	195		
24 / 23	.0	.0																9	9	16	96		
22 / 21	.0	.0																4	4	6	56		
20 / 19	.0																	1	1	2	33		
18 / 17																					15		
16 / 15																					12		
14 / 13																					2		
12 / 11																					1		
10 / 9																					2		
8 / 7																					2		
6 / 5																					2		
TOTAL	4.815	5.511	4.10.3	9.8	8.4	7.6	6.3	5.1	4.4	3.6	3.0	2.8	2.4	1.6	1.3	1.5		14608	14608	14608	14608		

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Element (X)	Σ X <sup>2</sup>	Σ X	X̄	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total
						≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	57191938	848434	58.1	23.277	14608	123.63	411.92	528.91	651.8	552.6	8760.0
Dry Bulb	62061153	918109	62.8	17.273	14608	211.1	915.0	99.0			8760.0
Wet Bulb	42402350	772390	52.9	10.343	14608	755.1	15.6	.6			8760.0
Dew Point	30629258	656544	44.9	8.762	14608						8760.0



# MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

73-77

LEMOORE, CALIFORNIA

23110

STATION	HRS. (L.S.T.)	STATION NAME												ANNUAL
		YEARS												
		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	
01	MEAN	40.1	45.0	46.0	49.9	58.7	67.0	70.9	68.7	66.0	56.6	46.3	41.8	54.8
	S. D.	6.358	5.132	6.361	5.246	7.116	6.284	5.099	5.150	5.501	6.252	7.122	6.442	12.384
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
04	MEAN	38.3	42.8	43.2	46.2	53.8	61.3	64.8	63.7	61.5	53.0	44.2	40.1	51.1
	S. D.	6.920	5.620	6.282	5.013	6.545	6.084	5.546	5.188	5.429	6.204	7.476	7.182	11.250
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
07	MEAN	37.5	41.6	43.6	51.5	61.8	69.9	72.4	69.3	64.7	53.4	42.5	38.9	54.0
	S. D.	7.096	6.106	5.932	5.484	7.410	7.098	5.352	5.285	5.492	6.398	7.816	7.542	14.155
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
10	MEAN	45.0	53.1	56.7	64.9	74.4	82.6	85.9	82.9	79.3	69.8	56.0	46.4	66.5
	S. D.	5.786	4.992	5.722	6.862	8.836	8.333	6.292	6.250	6.473	6.772	6.189	5.356	15.619
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
13	MEAN	52.5	60.6	62.7	71.7	82.2	91.2	95.0	91.8	88.3	78.0	64.1	54.3	74.4
	S. D.	7.201	6.330	6.986	8.330	9.723	8.618	6.104	6.908	7.371	7.926	7.116	5.459	16.511
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
16	MEAN	53.9	62.0	63.5	73.3	84.4	93.7	97.6	94.4	90.3	78.6	64.3	55.2	76.0
	S. D.	7.448	6.608	7.549	8.992	10.111	8.885	6.005	7.160	7.414	8.423	7.640	5.378	17.189
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
19	MEAN	46.3	53.2	55.2	63.1	75.9	86.6	90.3	84.6	78.6	67.3	54.8	47.9	67.1
	S. D.	5.402	4.959	6.068	7.743	9.008	7.947	5.239	6.156	6.294	7.061	6.257	4.846	16.489
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
22	MEAN	42.3	47.8	48.8	54.1	64.4	73.6	77.6	74.4	70.8	60.2	49.0	43.8	59.0
	S. D.	5.896	4.891	5.830	6.195	7.280	6.896	4.667	5.213	5.608	6.538	6.573	5.807	13.744
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
ALL HOURS	MEAN	44.5	50.8	52.5	59.4	69.4	78.2	81.8	78.7	74.9	64.6	52.7	46.0	62.8
	S. D.	8.733	9.187	9.971	11.837	13.477	13.508	12.625	12.188	11.943	11.950	10.647	8.353	17.273
	TOTAL OBS	1240	1128	1240	1200	1240	1200	1240	1240	1200	1240	1200	1240	14608

# MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

73-77

LEMOORE, CALIFORNIA

23110

STATION	HRS.(L.S.T.)	YEARS												ANNUAL
		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	
01	MEAN	38.7	43.1	43.1	45.1	51.3	56.4	59.8	59.0	56.6	49.5	42.5	39.8	48.8
	S. D.	6.629	4.810	6.357	4.139	5.258	4.615	4.006	3.646	3.809	6.024	6.762	6.178	9.087
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
04	MEAN	37.2	41.4	41.0	42.8	48.6	53.6	56.6	56.3	54.2	47.5	41.0	38.4	46.6
	S. D.	7.111	5.354	6.367	4.496	5.369	4.739	4.415	3.805	4.035	6.425	7.371	6.891	8.891
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
07	MEAN	36.6	40.4	41.6	46.7	53.5	58.3	60.6	59.6	56.5	47.7	39.8	37.5	48.3
	S. D.	7.313	5.737	5.855	4.236	5.267	4.561	3.611	3.345	3.830	6.137	7.645	7.254	10.351
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
10	MEAN	42.8	49.2	50.1	53.4	58.8	63.4	66.2	65.6	63.7	57.4	49.6	43.8	55.4
	S. D.	5.542	4.222	5.188	4.281	5.505	4.759	3.610	3.377	3.290	4.923	5.217	5.031	9.264
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
13	MEAN	47.6	53.0	52.5	55.8	61.4	66.2	69.0	68.4	67.1	60.5	53.5	48.6	58.7
	S. D.	5.860	4.347	5.274	4.497	5.707	4.617	3.370	3.149	3.631	4.844	5.141	4.207	8.804
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
16	MEAN	48.1	53.2	52.7	56.1	61.7	66.8	69.7	68.9	67.4	60.4	53.2	49.0	59.0
	S. D.	5.694	4.202	5.279	4.566	5.700	4.524	3.320	3.391	3.586	4.938	5.411	4.098	8.900
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
19	MEAN	43.5	46.9	48.8	52.1	59.2	64.5	67.9	66.1	63.1	55.6	48.2	44.7	55.2
	S. D.	5.532	4.154	5.454	4.432	5.573	4.606	3.570	3.479	3.785	5.639	5.498	4.596	9.629
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
22	MEAN	40.6	45.2	44.9	47.6	54.3	59.6	63.3	62.0	59.3	51.5	44.2	41.4	51.2
	S. D.	6.240	4.508	5.819	4.249	5.018	4.737	3.903	3.623	3.869	5.902	6.239	5.652	9.434
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
ALL HOURS	MEAN	41.9	46.8	46.8	50.0	56.1	61.1	64.1	63.2	61.0	53.8	46.5	42.9	52.9
	S. D.	7.490	6.644	7.248	6.436	7.086	6.510	5.866	5.597	6.014	7.565	8.005	6.926	10.343
	TOTAL OBS	1240	1128	1240	1200	1240	1200	1240	1240	1200	1240	1200	1240	14608



## MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

23110 LEMOORE, CALIFORNIA

73-77

STATION NAME

YEARS

STATION

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN 36.6 S. D. 7.990 TOTAL OBS 155	MEAN 40.8 S. D. 5.640 TOTAL OBS 141	MEAN 39.5 S. D. 8.204 TOTAL OBS 155	MEAN 39.6 S. D. 6.567 TOTAL OBS 150	MEAN 44.5 S. D. 5.771 TOTAL OBS 155	MEAN 47.7 S. D. 6.308 TOTAL OBS 150	MEAN 51.7 S. D. 5.324 TOTAL OBS 155	MEAN 51.8 S. D. 4.700 TOTAL OBS 155	MEAN 49.2 S. D. 5.057 TOTAL OBS 150	MEAN 42.4 S. D. 8.718 TOTAL OBS 155	MEAN 37.7 S. D. 8.696 TOTAL OBS 150	MEAN 37.3 S. D. 6.978 TOTAL OBS 155	MEAN 43.2 S. D. 8.675 TOTAL OBS 1826
04	MEAN 35.5 S. D. 8.151 TOTAL OBS 155	MEAN 39.6 S. D. 5.891 TOTAL OBS 141	MEAN 38.1 S. D. 7.846 TOTAL OBS 155	MEAN 38.7 S. D. 6.483 TOTAL OBS 150	MEAN 43.7 S. D. 6.016 TOTAL OBS 155	MEAN 46.8 S. D. 6.227 TOTAL OBS 150	MEAN 50.0 S. D. 5.490 TOTAL OBS 155	MEAN 50.5 S. D. 4.638 TOTAL OBS 155	MEAN 47.9 S. D. 5.135 TOTAL OBS 150	MEAN 41.4 S. D. 9.019 TOTAL OBS 155	MEAN 36.9 S. D. 8.986 TOTAL OBS 150	MEAN 36.2 S. D. 7.539 TOTAL OBS 155	MEAN 42.1 S. D. 8.701 TOTAL OBS 1826
07	MEAN 35.0 S. D. 8.191 TOTAL OBS 155	MEAN 38.9 S. D. 6.048 TOTAL OBS 141	MEAN 39.2 S. D. 7.175 TOTAL OBS 155	MEAN 41.6 S. D. 6.360 TOTAL OBS 150	MEAN 46.5 S. D. 5.968 TOTAL OBS 155	MEAN 49.4 S. D. 6.016 TOTAL OBS 150	MEAN 52.2 S. D. 4.771 TOTAL OBS 155	MEAN 52.8 S. D. 4.258 TOTAL OBS 155	MEAN 50.1 S. D. 5.079 TOTAL OBS 150	MEAN 41.7 S. D. 8.368 TOTAL OBS 155	MEAN 36.2 S. D. 8.869 TOTAL OBS 150	MEAN 35.6 S. D. 7.778 TOTAL OBS 155	MEAN 43.3 S. D. 9.243 TOTAL OBS 1826
10	MEAN 40.0 S. D. 7.025 TOTAL OBS 155	MEAN 45.5 S. D. 5.448 TOTAL OBS 141	MEAN 43.5 S. D. 7.615 TOTAL OBS 155	MEAN 43.0 S. D. 6.525 TOTAL OBS 150	MEAN 46.7 S. D. 6.779 TOTAL OBS 155	MEAN 50.2 S. D. 6.943 TOTAL OBS 150	MEAN 53.8 S. D. 5.395 TOTAL OBS 155	MEAN 54.6 S. D. 4.885 TOTAL OBS 155	MEAN 53.5 S. D. 4.479 TOTAL OBS 150	MEAN 47.3 S. D. 7.221 TOTAL OBS 155	MEAN 43.4 S. D. 7.500 TOTAL OBS 150	MEAN 41.0 S. D. 6.163 TOTAL OBS 155	MEAN 46.9 S. D. 8.053 TOTAL OBS 1826
13	MEAN 42.4 S. D. 7.688 TOTAL OBS 155	MEAN 46.4 S. D. 5.921 TOTAL OBS 141	MEAN 42.8 S. D. 8.250 TOTAL OBS 155	MEAN 41.8 S. D. 7.089 TOTAL OBS 150	MEAN 45.9 S. D. 7.468 TOTAL OBS 155	MEAN 49.6 S. D. 7.045 TOTAL OBS 150	MEAN 53.2 S. D. 5.796 TOTAL OBS 155	MEAN 54.4 S. D. 4.953 TOTAL OBS 155	MEAN 54.1 S. D. 5.330 TOTAL OBS 150	MEAN 47.3 S. D. 6.932 TOTAL OBS 155	MEAN 43.9 S. D. 7.885 TOTAL OBS 150	MEAN 43.0 S. D. 5.850 TOTAL OBS 155	MEAN 47.1 S. D. 8.133 TOTAL OBS 1826
16	MEAN 41.9 S. D. 7.766 TOTAL OBS 155	MEAN 45.5 S. D. 6.103 TOTAL OBS 141	MEAN 42.2 S. D. 8.731 TOTAL OBS 155	MEAN 40.7 S. D. 7.229 TOTAL OBS 150	MEAN 44.6 S. D. 7.382 TOTAL OBS 155	MEAN 49.1 S. D. 6.460 TOTAL OBS 150	MEAN 53.0 S. D. 6.088 TOTAL OBS 155	MEAN 53.6 S. D. 5.363 TOTAL OBS 155	MEAN 53.2 S. D. 5.374 TOTAL OBS 150	MEAN 46.5 S. D. 7.320 TOTAL OBS 155	MEAN 43.0 S. D. 8.239 TOTAL OBS 150	MEAN 42.8 S. D. 5.972 TOTAL OBS 155	MEAN 46.4 S. D. 8.276 TOTAL OBS 1826
19	MEAN 40.2 S. D. 7.367 TOTAL OBS 155	MEAN 44.9 S. D. 5.368 TOTAL OBS 141	MEAN 41.9 S. D. 8.516 TOTAL OBS 155	MEAN 41.5 S. D. 7.440 TOTAL OBS 150	MEAN 46.3 S. D. 7.019 TOTAL OBS 155	MEAN 49.5 S. D. 7.049 TOTAL OBS 150	MEAN 54.3 S. D. 6.204 TOTAL OBS 155	MEAN 54.7 S. D. 4.708 TOTAL OBS 155	MEAN 52.5 S. D. 5.060 TOTAL OBS 150	MEAN 45.3 S. D. 8.675 TOTAL OBS 155	MEAN 41.2 S. D. 8.110 TOTAL OBS 150	MEAN 41.0 S. D. 5.824 TOTAL OBS 155	MEAN 46.1 S. D. 8.627 TOTAL OBS 1826
22	MEAN 38.1 S. D. 7.791 TOTAL OBS 155	MEAN 42.5 S. D. 5.548 TOTAL OBS 141	MEAN 40.4 S. D. 8.406 TOTAL OBS 155	MEAN 40.6 S. D. 7.114 TOTAL OBS 150	MEAN 45.5 S. D. 5.814 TOTAL OBS 155	MEAN 48.9 S. D. 6.394 TOTAL OBS 150	MEAN 53.6 S. D. 5.846 TOTAL OBS 155	MEAN 53.5 S. D. 4.866 TOTAL OBS 155	MEAN 50.7 S. D. 5.220 TOTAL OBS 150	MEAN 43.1 S. D. 8.994 TOTAL OBS 155	MEAN 38.5 S. D. 8.351 TOTAL OBS 150	MEAN 38.4 S. D. 6.708 TOTAL OBS 155	MEAN 44.5 S. D. 8.877 TOTAL OBS 1826
ALL HOURS	MEAN 38.7 S. D. 8.178 TOTAL OBS 1240	MEAN 43.0 S. D. 6.360 TOTAL OBS 1128	MEAN 41.0 S. D. 8.285 TOTAL OBS 1240	MEAN 40.9 S. D. 6.959 TOTAL OBS 1200	MEAN 45.5 S. D. 6.622 TOTAL OBS 1240	MEAN 48.9 S. D. 6.630 TOTAL OBS 1200	MEAN 52.7 S. D. 5.765 TOTAL OBS 1240	MEAN 53.2 S. D. 4.989 TOTAL OBS 1240	MEAN 51.4 S. D. 5.504 TOTAL OBS 1200	MEAN 44.4 S. D. 8.506 TOTAL OBS 1240	MEAN 40.1 S. D. 8.813 TOTAL OBS 1200	MEAN 39.4 S. D. 7.158 TOTAL OBS 1240	MEAN 44.9 S. D. 8.762 TOTAL OBS 14608



# RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

PRINTED BY THE STANDARD REGISTRATION COMPANY, U. S. A.

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

PERIOD

JAN  
MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	01	100.0	100.0	100.0	100.0	99.4	96.1	88.4	76.8	52.3	87.9	155
	04	100.0	100.0	100.0	100.0	99.4	98.7	96.8	82.6	54.8	90.0	155
	07	100.0	100.0	100.0	100.0	100.0	99.4	97.4	89.0	59.4	91.1	155
	10	100.0	100.0	100.0	100.0	96.8	89.0	78.1	65.2	47.7	84.2	155
	13	100.0	100.0	99.4	94.2	78.7	68.4	52.3	35.5	20.6	71.2	155
	16	100.0	100.0	98.1	87.7	73.5	60.0	47.7	31.0	15.5	67.4	155
	19	100.0	100.0	100.0	100.0	95.5	89.7	74.8	56.8	32.3	60.7	155
	22	100.0	100.0	100.0	99.4	98.7	95.5	85.2	70.3	47.7	85.9	155
TOTALS		100.0	100.0	99.7	97.7	92.8	87.1	77.6	63.4	41.3	82.3	1240

## RELATIVE HUMIDITY

**23110**  
**TATION**

**LEMOORE, CALIFORNIA**

STATION NAME

73-77

PERIOD

FEB  
MONTH

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	01	100.0	100.0	100.0	100.0	99.3	96.5	88.7	73.0	43.3	86.0	141
	04	100.0	100.0	100.0	100.0	100.0	98.6	95.7	83.7	46.8	89.0	141
	07	100.0	100.0	100.0	100.0	100.0	100.0	97.9	87.2	51.8	90.4	141
	10	100.0	100.0	99.3	99.3	97.9	87.9	65.2	41.1	17.0	76.8	141
	13	100.0	100.0	100.0	88.7	73.8	48.9	29.8	14.2	4.3	61.6	141
	16	100.0	100.0	97.2	80.9	61.7	39.7	19.9	11.3		57.1	141
	19	100.0	100.0	100.0	99.3	96.5	83.0	63.1	31.9	12.1	74.7	141
	22	100.0	100.0	100.0	100.0	99.3	94.3	83.0	60.3	27.7	82.7	141
TOTALS		100.0	100.0	99.6	96.0	91.1	81.1	67.9	50.3	25.4	77.3	1128



## RELATIVE HUMIDITY

MAR  
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	01	100.0	100.0	100.0	99.4	96.1	85.8	75.5	57.4	20.6	79.3	155
	04	100.0	100.0	100.0	99.4	99.4	91.6	84.5	66.5	29.7	83.1	155
	07	100.0	100.0	100.0	100.0	98.1	93.5	85.8	72.3	43.2	85.5	155
	10	100.0	100.0	98.7	92.9	73.5	58.1	38.7	11.6	1.9	63.4	155
	13	100.0	98.1	90.3	67.7	52.9	29.0	10.3	3.2		50.7	155
	16	100.0	96.8	83.9	63.2	41.9	29.7	15.5	5.2	.6	49.2	155
	19	100.0	99.4	97.4	85.8	73.5	54.8	42.6	22.6	2.6	63.7	155
	22	100.0	100.0	99.4	96.8	89.0	80.0	62.6	47.1	15.5	74.7	155
TOTALS		100.0	99.3	96.2	88.2	78.1	65.3	51.9	35.7	14.3	68.7	1240

# RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

23110 LEMOORE, CALIFORNIA 73-77 APR

STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF Obs.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	01	100.0	100.0	98.0	92.7	84.7	71.3	56.0	32.0	6.0	70.1	150
	04	100.0	100.0	99.3	98.7	90.7	81.3	68.7	49.3	19.3	77.0	150
	07	100.0	100.0	100.0	93.3	86.7	70.0	52.7	36.0	12.0	71.1	150
	10	100.0	98.0	87.3	67.3	39.3	15.3	4.0	2.0		47.1	150
	13	100.0	91.3	63.3	32.7	10.0	4.7	4.0			36.3	150
	16	100.0	82.7	50.7	26.0	10.0	4.0	2.0	1.3	.7	33.6	150
	19	100.0	94.7	85.3	66.7	44.7	23.3	11.3	2.7		48.6	150
	22	100.0	98.0	94.0	89.3	75.3	58.0	41.3	16.0	4.7	63.3	150
TOTALS		100.0	95.6	84.7	70.8	55.2	41.0	30.0	17.4	5.3	55.9	1200



## RELATIVE HUMIDITY

STATION  
23110

**LEMOORE, CALIFORNIA**

STATION NAME

73-77

PERIOD

MAY  
MONTH

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	01	100.0	100.0	100.0	95.5	80.0	50.3	17.4	4.5		60.7	155
	04	100.0	100.0	100.0	99.4	94.2	76.8	45.8	20.6	1.9	69.6	155
	07	100.0	100.0	99.4	92.9	72.3	43.2	16.8	2.6	.6	58.9	155
	10	100.0	98.7	79.4	41.9	13.5	2.6	1.3			38.9	155
	13	100.0	83.9	40.6	10.3	1.9	1.9	.6	.6		29.4	155
	16	100.0	74.8	18.1	4.5	2.6	.6	.6			26.0	155
	19	100.0	96.1	69.7	29.0	9.7	3.2	2.6			36.5	155
	22	100.0	100.0	96.8	83.2	45.8	21.3	7.7	1.9		51.8	155
TOTALS		100.0	94.2	75.5	57.3	40.0	25.0	11.6	3.8	.3	46.5	1240

## RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH	JUN
23110	LEMOORE, CALIFORNIA	73-77		

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	01	100.0	100.0	96.7	82.0	52.7	21.3	3.3			51.3	150
	04	100.0	100.0	99.3	91.3	78.0	54.0	21.3	2.0		60.3	150
	07	100.0	100.0	93.3	74.0	49.3	22.7	4.0	.7		50.1	150
	10	100.0	94.0	58.7	26.0	6.7	2.0	.7			34.1	150
	13	100.0	65.3	23.3	4.0	.7	.7				25.4	150
	16	100.0	54.7	12.7	2.7	.7	.7	.7			23.0	150
	19	100.0	86.0	37.3	9.3	2.7	.7				28.9	150
	22	100.0	99.3	87.3	56.7	21.3	6.0	2.0			42.9	150
TOTALS		100.0	87.4	63.6	43.3	26.5	13.5	4.0	.3		39.5	1200

# RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

23110 LEMOORE, CALIFORNIA 73-77 JUL MONTH

PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	01	100.0	100.0	100.0	89.0	53.5	13.5	1.3	.6		51.5	155
	04	100.0	100.0	100.0	96.8	82.6	47.1	14.2	4.5		59.8	155
	07	100.0	100.0	99.4	83.9	43.2	15.5	1.9			50.0	155
	10	100.0	98.1	61.9	22.6	6.5	.6				34.4	155
	13	100.0	74.2	20.6	5.8						25.4	155
	16	100.0	56.8	12.9	3.2	1.3	.6				23.3	155
	19	100.0	92.3	46.5	9.0	1.9	1.3				30.5	155
	22	100.0	100.0	95.5	63.2	23.2	3.9	1.3			44.3	155
TOTALS		100.0	90.2	67.1	46.7	26.5	10.3	2.3	.6		39.9	1240



## RELATIVE HUMIDITY

23110  
STATION

LEMOORE, CALIFORNIA  
STATION NAME

73-77

**AUG**  
**MONTH**

STATION NAME

PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	01	100.0	100.0	99.4	94.8	67.7	34.8	7.1	1.3		55.9	155
	04	100.0	100.0	99.4	98.7	87.1	58.1	25.8	5.2		63.2	155
	07	100.0	100.0	99.4	93.5	73.5	41.9	9.0	.6		57.0	155
	10	100.0	98.7	80.6	39.4	11.6	1.9	1.3	.6		39.1	155
	13	100.0	86.5	35.5	9.0	3.2	1.3	.6			29.5	155
	16	100.0	76.1	23.2	4.5	1.9	1.9	.6			26.5	155
	19	100.0	100.0	79.4	27.7	3.9	1.9	1.9			36.8	155
	22	100.0	100.0	99.4	85.2	38.7	11.6	2.6	1.9		49.1	155
TOTALS		100.0	95.2	77.0	56.6	36.0	19.2	6.1	1.2		44.6	1240

# RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

23110 LEMOORE, CALIFORNIA 73-77 SEP MONTH

PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	01	100.0	100.0	99.3	90.0	66.7	36.0	10.0	2.7	.7	56.1	150
	04	100.0	100.0	100.0	98.7	80.7	52.7	25.3	8.0	2.0	62.5	150
	07	100.0	100.0	100.0	93.3	77.3	44.7	23.3	7.3	2.0	60.6	150
	10	100.0	99.3	88.0	52.0	20.7	6.0	1.3	.7		42.3	150
	13	100.0	91.3	52.7	17.3	4.0	2.7	.7	.7		32.7	150
	16	100.0	90.0	40.7	8.7	2.7	1.3	.7			29.7	150
	19	100.0	100.0	91.3	48.0	15.3	4.0				41.4	150
	22	100.0	100.0	99.3	82.7	44.0	16.7	3.3	1.3	.7	50.2	150
TOTALS		100.0	97.6	83.9	61.3	38.9	20.5	8.1	2.6	.7	46.9	1200

# RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

23110 LEMOORE, CALIFORNIA 73-77 OCT

STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	01	100.0	100.0	100.0	89.0	72.3	51.0	25.2	11.6	2.6	60.6	155
	04	100.0	100.0	100.0	96.8	84.5	64.5	37.4	18.1	3.9	66.1	155
	07	100.0	100.0	100.0	96.8	81.9	63.2	38.7	18.7	4.5	66.2	155
	10	100.0	100.0	87.1	61.9	37.4	15.5	3.9	.6		46.4	155
	13	100.0	97.4	60.6	30.3	9.0	3.2	.6	.6	.6	35.6	155
	16	100.0	91.0	58.1	25.2	8.4	4.5	1.3	1.3	.6	34.3	155
	19	100.0	98.1	91.6	64.5	35.5	20.0	7.7	2.6	1.3	47.5	155
	22	100.0	99.4	96.1	82.6	60.0	33.5	16.8	7.1	1.9	55.4	155
TOTALS		100.0	98.2	86.7	68.4	48.6	31.9	16.5	7.6	1.9	51.5	1240



## RELATIVE HUMIDITY

23110

LEMOORE, CALIFORNIA

73-77

NOV  
MONTH

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	01	100.0	100.0	99.3	97.3	94.0	78.0	61.3	36.0	13.3	73.3	150
	04	100.0	100.0	100.0	98.7	98.7	86.7	70.0	44.0	14.0	76.7	150
	07	100.0	100.0	100.0	100.0	98.7	93.3	73.3	48.7	16.0	79.2	150
	10	100.0	100.0	99.3	92.7	78.0	56.0	36.7	20.0	6.0	64.6	150
	13	100.0	98.7	91.3	74.0	42.7	22.0	13.3	4.0	.7	50.2	150
	16	100.0	98.7	89.3	63.3	34.7	20.7	12.0	8.0		48.4	150
	19	100.0	99.3	98.7	92.7	75.3	56.0	30.0	12.7	3.3	62.1	150
	22	100.0	100.0	99.3	97.3	91.3	70.7	47.3	20.0	6.0	68.6	150
TOTALS		100.0	99.6	97.2	89.5	76.7	60.4	43.0	24.2	7.4	63.4	1200

## RELATIVE HUMIDITY

STATION  
23110

LEMOORE, CALIFORNIA STATION NAME |

STATION NAME

73-77

PERIOD

**DEC**  
**MONTH**

**MONTH**

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	01	100.0	100.0	100.0	100.0	98.7	98.7	92.3	68.4	33.5	84.8	155
	04	100.0	100.0	100.0	99.4	99.4	98.7	95.5	79.4	37.4	86.8	155
	07	100.0	100.0	100.0	100.0	99.4	98.7	96.8	83.9	43.9	88.5	155
	10	100.0	100.0	100.0	100.0	98.7	95.5	79.4	55.5	32.9	82.7	155
	13	100.0	100.0	100.0	98.7	81.3	58.1	43.2	23.9	12.3	67.7	155
	16	100.0	100.0	100.0	95.5	74.8	54.8	40.0	22.6	3.9	65.1	155
	19	100.0	100.0	100.0	100.0	98.7	92.3	75.5	43.9	10.3	77.8	155
	22	100.0	100.0	100.0	99.4	99.4	96.8	87.7	54.8	20.0	81.8	155
TOTALS		100.0	100.0	100.0	99.1	91.8	86.7	76.3	54.1	24.3	79.4	1240

# RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

PRINTED BY THE STANDARD REGISTRATION COMPANY, U. S. A.

ALL  
MONTH

73-77

PERIOD

23110 LEMOORE, CALIFORNIA  
STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	99.7	97.7	92.8	87.1	77.6	63.4	41.3	82.3	1240
FEB		100.0	100.0	99.6	96.0	91.1	81.1	67.9	50.3	25.4	77.3	1128
MAR		100.0	99.3	96.2	88.2	78.1	65.3	51.9	35.7	14.3	68.7	1240
APR		100.0	95.6	84.7	70.8	55.2	41.0	30.0	17.4	5.3	55.9	1200
MAY		100.0	94.2	75.5	57.3	40.0	25.0	11.6	3.8	.3	46.5	1240
JUN		100.0	87.4	63.6	43.3	26.5	13.5	4.0	.3		39.5	1200
JUL		100.0	90.2	67.1	46.7	26.5	10.3	2.3	.6		39.9	1240
AUG		100.0	95.2	77.0	56.6	36.0	19.2	6.1	1.2		44.6	1240
SEP		100.0	97.6	83.9	61.3	38.9	20.5	8.1	2.6	.7	46.9	1200
OCT		100.0	98.2	86.7	68.4	48.6	31.9	16.5	7.6	1.9	51.5	1240
NOV		100.0	99.6	97.2	89.5	76.7	60.4	43.0	24.2	7.4	65.4	1200
DEC		100.0	100.0	100.0	99.1	93.8	86.7	76.3	54.1	24.3	79.4	1240
TOTALS		100.0	96.4	85.9	72.9	58.7	45.2	32.9	21.8	10.1	58.2	14608

NAVWEASERVCOM



PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

STATION NAME **23110 LEMOORE, CALIFORNIA** WIND DIRECTION **JAN 1973 - DEC 1977** MONTH **JANUARY** ALL  
HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71	20.0	4.9	20.0	2.4	10.0			20.0	30.0	10	.8
62 TO 66	46.3	5.2	9.8	2.4	12.2		2.4	4.9	17.1	41	3.3
57 TO 61	19.0	6.1	1.7	20.7	19.0	1.7	3.4	10.3	19.0	58	4.7
52 TO 56	16.3	3.7	10.9	17.7	17.7	.7	1.4	8.2	21.1	147	11.9
47 TO 51	23.1	5.6	6.0	14.4	16.2	3.7	1.9	11.1	19.9	216	17.4
42 TO 46	13.3	2.5	4.9	16.0	11.8	2.4	7.3	12.5	24.3	288	23.2
37 TO 41	10.5	1.7	4.3	11.9	13.0	4.7	11.6	10.8	30.7	277	22.3
32 TO 36	4.3		3.4	13.7	6.6	2.6	15.4	12.8	39.3	117	9.4
27 TO 31	10.8		1.5	9.2	9.2	9.2	18.3	6.2	35.4	63	5.2
22 TO 26	3.0			10.0	15.0	20.0	10.0	3.0	35.0	20	1.6
17 TO 21					100.0					1	.1
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	15.5	3.8	5.4	14.0	13.3	3.3	7.6	10.6	26.3	1240	100.0

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

23110  
STATION

LEMOORE, CALIFORNIA

JAN 1973 - DEC 1977

FEBRUARY

ALL

STATION NAME

WIND DIRECTION

YEARS

MONTH

HOURS (L.S.T.)

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81	20.0	20.0	7.1						60.0	5	.4
72 TO 76	35.7	21.4	21.4	7.1					14.3	14	1.2
67 TO 71	32.5	10.0	2.5	10.0	12.5	7.5		2.5	22.5	40	3.5
62 TO 66	23.8	6.0	3.6	10.7	25.0		3.6	7.1	20.2	84	7.4
57 TO 61	25.5	4.7	6.7	12.1	18.8	4.7	2.7	5.4	19.5	149	13.2
52 TO 56	23.5	3.6	5.4	14.9	24.4	4.5	5.4	5.9	12.2	221	19.6
47 TO 51	25.7	2.1	4.6	13.5	12.7	3.4	11.0	11.0	16.0	237	21.0
42 TO 46	9.7	2.0	4.6	8.2	11.2	6.6	18.9	17.9	20.9	196	17.4
37 TO 41	15.3	.8	5.1	6.8	11.0	5.9	20.3	11.9	22.9	118	10.5
32 TO 36	10.2	3.4	5.1	3.4	11.9	13.6	16.9	5.4	32.2	59	5.2
27 TO 31	20.0				40.0			20.0	20.0	5	.4
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	20.7	3.5	5.2	10.9	16.1	5.0	10.3	9.4	18.9	1128	100.0



PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

STATION 23110 LEMOORE, CALIFORNIA JAN 1973 - DEC 1977 MONTH MARCH ALL HOURS (L.S.T.)

TEMP.	NINW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81	20.0	50.0	50.0	10.0	30.0	10.0	6.7	3.3	10.0	2	.2
72 TO 76	36.7	20.0	10.0	10.0	10.0				3.3	10	.8
67 TO 71	45.3	9.4	6.3	4.7	10.9	3.1	3.1	9.4	7.8	30	2.4
62 TO 66	30.5	6.1	4.6	8.4	19.8	4.6	5.3	8.4	12.2	64	5.2
57 TO 61	41.8	4.6	6.2	6.2	12.4	5.2	5.2	9.8	8.8	131	10.6
52 TO 56	31.1	6.2	5.3	12.9	12.9	4.8	2.9	11.3	12.4	194	15.6
47 TO 51	30.4	2.7	3.1	6.7	7.6	4.5	10.3	16.3	18.3	209	16.9
42 TO 46	27.4	1.1	2.6	4.2	6.3	4.7	16.3	25.8	11.6	224	18.1
37 TO 41	17.7	4.6	3.1	5.4	7.7	6.9	14.6	16.2	23.8	190	15.3
32 TO 36	17.0			7.5	7.5	18.9	15.1	22.6	11.3	130	10.5
27 TO 31				33.3					66.7	53	4.3
22 TO 26										3	.2
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	30.6	4.3	4.7	7.4	10.8	5.4	8.7	14.5	13.5	1240	100.0



# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

LEMOORE, CALIFORNIA

23110  
STATION

JAN 1973 - DEC 1977

STATION NAME

YEARS

APRIL

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96	100.0										
87 TO 91	33.3	25.0	16.7	7.7	8.3	7.7	16.7	7.7		12	1.0
82 TO 86	25.6	25.6	10.3	7.7	10.3	7.7	5.1	7.7		39	3.3
77 TO 81	54.4	10.3	4.4	2.9	4.4	2.9	7.4	11.8	1.5	68	5.7
72 TO 76	56.7	6.2	10.3	2.1	2.1	2.1	5.2	11.3	4.1	97	8.1
67 TO 71	53.6	9.8	5.4	2.7	1.8	5.3	8.0	6.0	4.5	112	9.3
62 TO 66	47.2	9.0	5.6	1.4	4.2	4.2	7.6	16.8	2.1	144	12.0
57 TO 61	43.0	6.1	2.4	3.0	4.2	4.2	10.3	20.0	6.7	163	13.8
52 TO 56	38.0	2.5	2.5	3.5	3.0	4.5	14.5	23.0	8.5	200	16.7
47 TO 51	26.0	3.5	1.0	3.0	9.5	6.5	18.0	22.0	10.5	200	16.7
42 TO 46	30.9	.8	.8	4.9	6.5	4.1	17.9	18.7	13.4	123	10.3
37 TO 41	21.2				3.0	12.1	24.2	16.2	21.2	33	2.8
32 TO 36					16.7	16.7	66.7			6	.5
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	39.3	6.2	3.3	3.0	5.0	4.9	12.5	17.5	7.3	1200	100.0

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

## WIND DIRECTION

### 23110 LEMOORE, CALIFORNIA

### JAN 1973 - DEC 1977

### MAY ALL

HOURS (L.S.T.)

MONTH

YEARS

STATION NAME

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106	37.5	37.5	15.8	5.3	12.5			12.5		8	.6
97 TO 101	36.8	26.3	9.6	1.9	5.3		5.3	5.3		19	1.5
92 TO 96	65.4	7.7	2.8	2.8			3.8	11.5		52	4.2
87 TO 91	64.8	12.7	2.7	.9		2.8	5.6	7.0	1.4	71	5.7
82 TO 86	69.6	10.7	5.6			.9	1.8	11.6	1.8	112	9.0
77 TO 81	65.3	6.1	1.9		1.6	.8	4.0	12.9	1.6	124	10.0
72 TO 76	57.3	7.0	3.1	1.9	1.3	1.3	6.4	22.3	.6	157	12.7
67 TO 71	52.0	3.9	1.9	.8	.8	.8	8.7	24.4	5.5	127	10.2
62 TO 66	45.7	2.5	1.9	.6	1.9	1.9	9.9	33.3	3.1	162	13.1
57 TO 61	51.2	2.3	1.4	2.9	4.7	1.7	9.9	23.8	5.2	172	13.9
52 TO 56	51.1	2.2		2.9	2.2		5.8	32.4	2.2	139	11.2
47 TO 51	39.1			2.9	4.3	5.8	5.8	36.2	5.8	69	5.6
42 TO 46	30.4			4.3	8.7	4.3	13.0	17.4	21.7	23	1.9
37 TO 41	20.0			20.0	20.0			40.0		5	.4
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	54.3	5.6	2.7	1.5	2.2	1.5	6.7	22.5	3.1	1240	100.0



# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

LEMOORE, CALIFORNIA

23110  
STATION

JAN 1973 - DEC 1977

STATION NAME

YEARS

JUNE

MONTH

ALL  
HOURS (L.S.T.)

## WIND DIRECTION

TEMP.	NW & N	NNW & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111	9.1	36.4	18.2				18.2		18.2	11	.9
102 TO 106	43.6	43.6	7.7				2.6			39	3.3
97 TO 101	55.1	24.4	5.1	2.6	2.6			10.3	1.3	78	6.5
92 TO 96	59.5	19.8	5.2	1.7				8.6	1.7	116	9.7
87 TO 91	65.5	10.3	3.4					16.4	.9	116	9.7
82 TO 86	59.0	10.7	.8	.8				18.0	4.1	122	10.2
77 TO 81	47.5	9.7	3.4		.7			25.5	3.4	149	12.1
72 TO 76	51.3	3.3	3.3	2.6	1.3			23.7	2.0	192	12.7
67 TO 71	55.7	3.4	1.3	1.3	1.3			25.5	1.3	149	12.4
62 TO 66	50.4	.7	2.2	2.9				24.5	7.2	139	11.6
57 TO 61	51.7	4.5	2.2					21.3	2.2	89	7.4
52 TO 56	50.0	2.6	5.3					28.9	5.3	38	3.2
47 TO 51	50.0							16.7	33.3	6	.5
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	53.8	9.8	3.3	.9	.8	2.3	6.4	19.6	3.1	1200	100.0



# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

LEMOORE, CALIFORNIA

23110  
STATION

JAN 1973 - DEC 1977

STATION NAME

YEARS

JULY

MONTH

ALL

HOURS (L.S.T.)

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111	37.5	50.0	12.5								
102 TO 106	41.4	24.1	12.1								
97 TO 101	45.5	21.4	8.9								
92 TO 96	66.9	17.5	2.4								
87 TO 91	61.3	10.0	3.3								
82 TO 86	59.4	5.2	1.7								
77 TO 81	42.1	3.4	.7								
72 TO 76	44.6	2.8	1.1								
67 TO 71	48.1	.6									
62 TO 66	48.9										
57 TO 61	46.2										
52 TO 56	53.8		7.7								
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	51.0	8.3	2.7	.7	.9	2.3	6.1	23.2	2.9	124.0	100.0

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

LEMOORE, CALIFORNIA

JAN 1973 - DEC 1977

AUGUST

ALL

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111	50.0	50.0	22.6	3.2		3.2		6.5	3.2	2	.2
102 TO 106	48.4	12.9	13.6	2.5	3.7		4.9	6.2	1.2	31	2.5
97 TO 101	44.4	23.5	1.8	3.6	1.8		1.8	12.7	1.8	81	6.5
92 TO 96	55.5	20.9	3.6	1.4	2.1		3.5	6.3	4.2	110	8.9
87 TO 91	64.1	10.6	3.6	.7	.7	2.1	4.7	22.1	2.7	142	11.5
82 TO 86	55.7	8.1	2.0	2.0	2.7	1.4	2.0	27.9	2.0	149	12.0
77 TO 81	59.9	2.0	.6	1.0	2.1	1.6	12.1	39.5	10.2	157	12.7
72 TO 76	33.1	1.3	.5	1.2	.6	2.5	13.0	38.7	8.4	191	15.4
67 TO 71	38.2	.5		3.5	3.5	9.1	27.3	31.6	10.5	162	13.1
62 TO 66	37.7	1.8							27.3	57	4.6
57 TO 61	33.3									11	.9
52 TO 56	36.4										
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	47.1	6.5	2.6	1.5	1.7	1.9	7.3	25.9	5.5	1240	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

LEMOORE, CALIFORNIA

23110  
STATION

JAN 1973 - DEC 1977

STATION NAME

YEARS

SEPTEMBER

MONTH

ALL

HOURS (L.S.T.)

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106	40.0	6.7	40.0	13.3						15	1.3
97 TO 101	52.4	21.4	4.8	2.4	4.8			9.5	4.8	42	3.5
92 TO 96	59.0	14.1	9.0	2.6	2.6		6.4	3.8	2.6	78	6.5
87 TO 91	55.6	15.2		5.1	1.0	2.0		11.1	10.1	99	8.3
82 TO 86	52.7	10.1	4.7	2.3	2.3	3.9	4.7	14.7	4.7	129	10.8
77 TO 81	51.4	8.6	7.1	2.1	2.9	.7	3.6	17.1	6.4	140	11.7
72 TO 76	35.8	2.8	2.8	1.7	3.4	3.4	9.5	33.0	7.8	179	14.9
67 TO 71	34.9	2.9	1.7	2.3	2.3	3.5	16.3	23.8	12.2	172	14.3
62 TO 66	28.1	.5	.5	.5	1.6	3.9	14.1	41.1	7.6	185	15.4
57 TO 61	27.3	.8	.8	.8	1.7	.8	24.2	35.8	7.5	120	10.0
52 TO 56	22.9			2.9	5.7	11.4	22.9	22.9	11.4	35	2.9
47 TO 51	33.3				16.7		16.7	33.3		6	.5
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	40.7	6.1	3.4	2.2	2.5	3.0	10.4	24.2	7.6	1200	100.0



# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

23110  
STATION

LEMOORE, CALIFORNIA

JAN 1973 - DEC 1977

OCTOBER

ALL

HOURS (L.S.T.)

MONTH

YEARS

STATION NAME

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96	25.0	25.0	16.7	8.3				8.3	16.7	12	1.0
87 TO 91	30.2	25.6	16.3	4.7	2.3	4.7			16.3	43	3.5
82 TO 86	50.0	14.7	7.4	2.9	2.9		1.5	7.4	13.2	68	5.5
77 TO 81	38.2	13.7	5.9	2.9	2.9	2.0	1.0	9.8	23.5	102	8.2
72 TO 76	41.0	12.9	4.3	4.3	4.3	2.9	2.9	11.5	15.8	139	11.2
67 TO 71	38.5	7.0	5.6	1.4	3.5	4.2	6.3	16.8	16.8	143	11.5
62 TO 66	32.8	2.1	2.6	1.6	7.8	4.2	12.5	20.8	15.6	192	15.5
57 TO 61	23.4	2.5	2.0	2.5	4.1	4.6	16.2	19.3	25.4	197	15.9
52 TO 56	17.1	.6	2.8	5.0	5.5	3.9	20.4	17.1	27.6	181	14.6
47 TO 51	15.1			1.9	3.8	7.5	26.4	20.8	24.5	106	8.5
42 TO 46	11.4			2.3	4.5	18.2	18.2	15.9	29.5	44	3.5
37 TO 41					16.7	8.3	33.3		41.7	12	1.0
32 TO 36							100.0			1	.1
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	29.2	6.1	3.9	2.9	4.7	4.4	12.0	15.6	21.1	1240	100.0

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

23110 LEMOORE, CALIFORNIA

JAN 1973 - DEC 1977

NOVEMBER

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81	7.1	14.3	57.1		7.1		7.1		100.0	1	.1
72 TO 76	23.1	10.3	2.6	17.9	12.8	5.1		5.1	7.1	14	1.2
67 TO 71	27.3	18.2	10.6	9.1	9.1	3.0		4.5	23.1	39	3.3
62 TO 66	37.0	8.7	9.4	5.5	12.6	2.4	3.1	4.7	18.2	66	5.5
57 TO 61	26.9	7.7	4.9	12.1	11.0	2.7	7.7	9.9	16.5	127	10.6
52 TO 56	23.6	6.0	4.6	10.2	9.3	4.2	6.5	13.4	17.0	182	13.2
47 TO 51	21.6	3.9	6.4	10.8	9.8	2.5	11.8	13.2	22.2	216	18.0
42 TO 46	18.1	3.9	2.6	4.5	7.7	3.2	17.4	16.8	20.1	204	17.0
37 TO 41	9.4	1.6		7.0	5.5	5.5	14.8	19.5	25.8	155	12.9
32 TO 36	16.7			2.4	4.8	7.1	19.0	11.9	36.7	128	10.7
27 TO 31	4.3			13.0	13.0	13.0	21.7	17.4	38.1	42	3.5
22 TO 26						33.3			17.4	23	1.9
17 TO 21									66.7	3	.3
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	22.3	6.0	5.3	8.8	9.3	3.8	9.7	12.1	22.8	1200	100.0



# PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

LEMOORE, CALIFORNIA

23110

JAN 1973 - DEC 1977

DECEMBER

ALL

HOURS (L.S.T.)

YEARS

STATION NAME

MONTH

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66	19.4	3.2	3.2	22.6	25.8	3.2		3.2	19.4	31	2.5
57 TO 61	21.6	3.4	13.8	14.7	16.4	1.7	2.6	2.6	23.3	116	9.4
52 TO 56	18.7	7.8	9.8	13.5	13.5	2.6	3.1	7.3	23.8	193	15.6
47 TO 51	17.8	3.8	6.4	19.9	10.6	1.7	3.4	11.9	24.6	236	19.0
42 TO 46	11.9	1.8	4.6	11.9	12.3	3.9	6.7	11.9	35.1	283	23.0
37 TO 41	7.7	2.4	3.8	10.0	12.0	4.8	11.0	11.0	37.3	209	16.9
32 TO 36	7.2	.8	3.2	8.0	8.8	6.4	17.6	4.0	44.0	123	10.1
27 TO 31	7.7	2.6		3.1	17.9	7.7	10.3	2.6	46.2	39	3.1
22 TO 26				20.0	40.0	20.0			20.0	3	.4
17 TO 21									100.0	1	.1
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	13.8	3.3	6.1	13.3	12.7	3.6	6.9	6.8	31.5	1240	100.0



PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

23110 LEMOORE, CALIFORNIA

JAN 1973 - DEC 1977

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

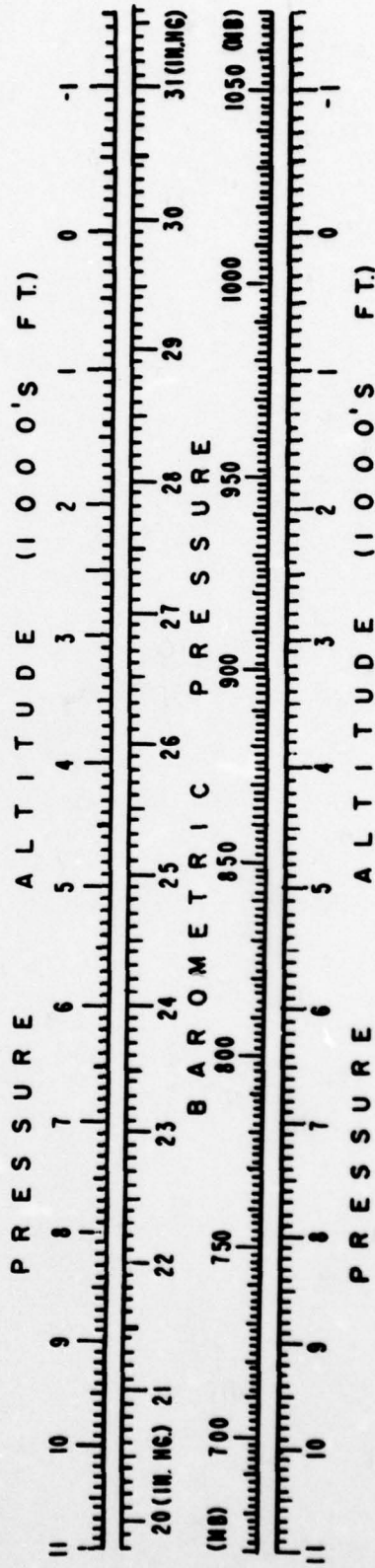
TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111	23.8	42.9	14.3				9.5		9.5	21	.1
102 TO 106	43.0	25.8	15.2	2.0	2.6	2.0	4.0	4.0	1.3	151	1.0
97 TO 101	47.9	22.9	9.0	2.4	2.1	.6	3.9	9.3	1.8	332	2.3
92 TO 96	60.6	17.6	4.9	2.4	.9	.6	2.8	8.4	1.9	535	3.7
87 TO 91	59.6	12.6	4.4	1.9	1.1	1.7	3.5	10.9	4.3	633	4.3
82 TO 86	55.1	10.3	3.4	1.6	1.5	2.7	4.2	16.8	4.3	738	5.1
77 TO 81	50.0	7.6	4.8	1.4	2.4	1.8	4.3	21.7	6.0	900	6.2
72 TO 76	43.8	5.4	3.7	2.8	2.4	2.5	7.3	23.2	6.9	1141	7.8
67 TO 71	43.4	4.9	3.0	2.2	3.2	3.1	7.9	23.5	8.8	1236	8.5
62 TO 66	37.9	3.4	3.1	2.9	7.3	3.3	9.0	23.4	9.5	1492	10.2
57 TO 61	34.1	4.0	3.9	6.0	8.5	3.3	10.0	16.7	13.4	1538	10.5
52 TO 56	27.7	4.2	3.2	9.7	10.9	3.6	7.9	14.8	16.0	1603	11.0
47 TO 51	24.3	2.9	4.1	10.4	10.2	4.0	10.2	15.7	18.2	1504	10.3
42 TO 46	17.4	2.6	3.5	8.1	9.7	4.5	12.9	16.4	23.8	1304	8.9
37 TO 41	11.6	2.3	3.3	8.7	10.4	5.6	14.1	13.3	30.7	912	6.2
32 TO 36	8.9	1.2	2.7	8.2	8.2	8.2	17.6	9.7	35.2	403	2.8
27 TO 31	8.9	.7	.7	8.1	14.1	8.9	15.6	7.4	35.6	135	.9
22 TO 26	3.6			10.7	17.9	21.4	7.1	3.6	35.7	28	.2
17 TO 21						50.0			50.0	2	.0
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	35.0	5.8	4.1	3.6	6.6	3.5	8.7	17.2	13.6	14608	100.0

## PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.





## STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

23110 LEMOORE, CALIFORNIA

STATION NAME

STATION

YEARS

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN S. D. TOTAL OBS	29.895 .149 155	29.871 .142 141	29.770 .140 155	29.756 .109 150	29.614 .082 150	29.625 .070 155	29.636 .066 155	29.641 .077 150	29.752 .092 155	29.852 .129 150	29.901 .138 155	29.748 .153 1826
04	MEAN S. D. TOTAL OBS	29.892 .148 155	29.859 .149 141	29.758 .141 155	29.752 .106 150	29.622 .082 150	29.634 .069 155	29.641 .067 155	29.643 .077 150	29.749 .092 155	29.849 .127 150	29.899 .139 155	29.747 .150 1826
07	MEAN S. D. TOTAL OBS	29.907 .148 155	29.877 .153 141	29.788 .139 155	29.785 .105 150	29.658 .084 150	29.672 .071 155	29.678 .070 155	29.678 .078 150	29.778 .094 155	29.873 .129 150	29.913 .140 155	29.776 .146 1826
10	MEAN S. D. TOTAL OBS	29.943 .149 155	29.908 .151 141	29.814 .138 155	29.797 .105 150	29.661 .083 150	29.677 .070 155	29.688 .069 155	29.692 .077 150	29.798 .094 155	29.901 .128 150	29.946 .138 155	29.794 .152 1826
13	MEAN S. D. TOTAL OBS	29.884 .147 155	29.865 .142 141	29.773 .132 155	29.754 .104 150	29.623 .083 150	29.638 .071 155	29.645 .071 155	29.640 .077 150	29.741 .094 155	29.844 .126 150	29.886 .138 155	29.747 .147 1826
16	MEAN S. D. TOTAL OBS	29.865 .147 155	29.830 .139 141	29.734 .130 155	29.708 .105 150	29.578 .083 150	29.587 .069 155	29.592 .070 155	29.591 .078 150	29.706 .093 155	29.817 .127 150	29.868 .137 155	29.707 .154 1826
19	MEAN S. D. TOTAL OBS	29.879 .150 155	29.844 .139 141	29.741 .132 155	29.709 .105 150	29.575 .082 150	29.582 .069 155	29.591 .068 155	29.599 .076 150	29.724 .094 155	29.832 .129 150	29.883 .138 155	29.715 .159 1826
22	MEAN S. D. TOTAL OBS	29.901 .147 155	29.866 .143 141	29.770 .136 155	29.746 .106 150	29.610 .081 150	29.623 .067 155	29.627 .067 155	29.635 .075 150	29.753 .093 155	29.856 .134 150	29.900 .139 155	29.745 .155 1826
ALL HOURS	MEAN S. D. TOTAL OBS	29.896 .149 1240	29.865 .146 1128	29.769 .138 1240	29.751 .109 1200	29.618 .087 1200	29.630 .076 1240	29.637 .076 1240	29.640 .083 1200	29.750 .097 1240	29.853 .131 1200	29.899 .140 1240	29.747 .154 14608



# MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

73-77

LEMOORE, CALIFORNIA

23110

STATION NAME

YEARS

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN S. D. TOTAL OBS	1020.0 5.129 155	1016.6 4.811 155	1016.1 3.714 150	1013.1 3.067 155	1011.1 2.829 150	1011.5 2.381 155	1011.9 2.246 155	1012.0 2.634 150	1015.9 3.160 155	91019.5 4.420 150	91021.2 4.748 155	1015.8 5.314 1826
04	MEAN S. D. TOTAL OBS	1020.9 5.090 155	1019.7 5.098 141	1016.3 4.813 155	1016.0 3.621 150	1013.3 3.046 155	1011.8 2.393 155	1012.0 2.261 155	1012.1 2.644 150	1015.8 3.152 155	91019.3 4.362 150	91021.1 4.756 155	1015.8 5.201 1826
07	MEAN S. D. TOTAL OBS	1021.4 5.087 155	1020.3 5.232 141	1017.3 4.758 155	1017.2 3.602 150	1014.4 3.111 155	1013.1 2.417 155	1013.3 2.388 155	1013.3 2.651 150	1016.8 3.245 155	91020.2 4.428 150	91021.6 4.796 155	1016.8 5.060 1826
10	MEAN S. D. TOTAL OBS	1022.6 5.112 155	1021.4 5.166 141	1016.2 4.720 155	1017.5 3.617 150	1014.5 3.142 155	1013.7 2.849 150	1013.2 2.425 155	1013.8 2.649 150	1017.9 3.217 155	91021.1 4.393 150	91022.7 4.721 155	1017.4 5.296 1826
13	MEAN S. D. TOTAL OBS	1020.6 4.980 155	1019.9 4.854 141	1016.7 4.526 155	1016.1 3.581 150	1013.1 3.090 155	1011.4 2.839 150	1012.2 2.401 155	1012.0 2.616 150	1015.6 3.197 155	91019.2 4.298 150	91020.7 4.720 155	1015.8 5.095 1826
16	MEAN S. D. TOTAL OBS	1019.9 4.974 155	1018.7 4.742 141	1015.4 4.443 155	1014.5 3.620 150	1011.4 3.041 155	1010.2 2.328 155	1010.4 2.391 155	1010.3 2.660 150	1014.4 3.192 155	91018.3 4.371 150	91020.0 4.681 155	1014.4 5.339 1826
19	MEAN S. D. TOTAL OBS	1020.5 5.136 155	1019.2 4.757 141	1015.7 4.500 155	1014.5 3.595 150	1011.4 3.071 155	1010.8 2.804 150	1010.0 2.288 155	1010.7 2.608 150	1015.0 3.218 155	91018.9 4.447 150	91020.6 4.739 155	1014.7 5.541 1826
22	MEAN S. D. TOTAL OBS	1021.2 5.031 155	1019.9 4.920 141	1016.7 4.644 155	1015.8 3.637 150	1012.9 3.024 155	1011.0 2.759 150	1011.4 2.275 155	1011.6 2.283 155	1015.9 3.197 155	91019.6 4.573 150	91021.2 4.775 155	1015.7 5.363 1826
ALL HOURS	MEAN S. D. TOTAL OBS	1021.0 5.109 1240	1019.9 4.996 1128	1016.6 4.711 1240	1016.0 3.751 1200	1013.0 3.249 1240	1011.2 2.997 1200	1011.6 2.602 1240	1012.0 2.838 1200	1015.9 3.316 1240	91019.9 4.475 1200	91021.1 4.788 1240	1015.8 5.355 14608